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Flour Milling Products

January 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: March 5, 1970

SERIES: M20A(70)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary Statistics-Wheat Flour Milling

Month and year	Wheat flour production 1,000 cwt.		Millfeed production tons ¹	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ³ 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ percent
	Average per working day ¹	Calendar month total						
1970								
January.....	1,057	22,189	380,714	49,043	NA	1,013	104.3	75.4
1969								
December.....	1,098	23,068	401,717	51,348	1,595	1,013	108.1	74.8
November.....	1,167	22,170	385,439	49,344	NA	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA	1,007	100.9	75.0
September.....	1,057	22,301	386,521	49,519	1,391	1,007	105.0	74.7
August.....	1,022	21,455	376,985	47,974	NA	1,006	101.5	74.5
July.....	891	19,620	344,587	44,119	NA	1,006	88.6	74.0
June.....	988	20,758	361,574	46,457	1,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	NA	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	NA	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	1,489	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	NA	1,002	91.7	75.2
January.....	925	20,342	362,399	45,888	NA	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	1,638	1,002	101.1	74.1
November.....	1,104	22,080	386,397	49,523	NA	1,008	109.5	74.3
October.....	1,022	23,306	410,545	53,606	NA	1,008	101.1	73.1
September.....	1,076	21,553	378,872	48,012	1,517	1,008	106.7	75.0
August.....	994	21,873	390,560	48,950	NA	1,010	98.4	74.2
July.....	928	20,122	369,203	45,852	NA	1,010	91.9	74.2
June.....	984	19,687	351,956	44,119	1,262	1,010	97.4	74.6
May.....	908	19,963	350,545	44,374	NA	1,003	90.5	75.1
April.....	910	20,023	355,308	44,492	NA	1,003	90.7	75.0
March.....	1,011	21,873	390,016	49,019	1,348	1,003	103.8	74.1
February.....	970	20,479	365,675	45,637	NA	1,006	96.4	74.1
January.....	979	21,343	387,164	48,368	NA	1,006	97.3	74.2

Note: Data include estimates for small mills.

NA Not available.

¹The number of working days per month is computed on the basis of a 5-day week with all-wances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1969 QUANTITY	NOVEMBER 1969 QUANTITY	DECEMBER 1968 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 357	1 139	1 143
0011351	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 998	2 405	2 556
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	221	228	212
0011351	RYE GROUND FOR FLOUR	M BU	496	520	490
2041618	RYE MILLFEED PRODUCTION	TONS	2 414	3 050	2 459
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	38	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.
(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1969 QUANTITY PRODUCED	NOVEMBER 1969 QUANTITY PRODUCED	DECEMBER 1968 QUANTITY PRODUCED
UNITED STATES: TOTAL	22 180	23 068	20 342
MIDDLE ATLANTIC	2 672	3 017	2 821
NEW YORK	2 304	2 633	2 439
NORTH CENTRAL	13 167	13 466	11 656
OHIO	1 106	1 265	1 087
INDIANA	504	583	546
ILLINOIS	1 253	1 225	1 260
MICHIGAN	628	650	618
MINNESOTA	2 457	2 444	2 198
IOWA	456	504	468
MISSOURI	2 016	2 231	1 908
NEBRASKA	660	725	594
KANSAS	3 385	3 258	2 438
SOUTH ATLANTIC	694	750	642
EAST SOUTH CENTRAL	1 008	1 004	963
TENNESSEE	772	767	735
WEST SOUTH CENTRAL	1 290	1 394	885
OKLAHOMA	393	407	250
TEXAS	897	987	635
MOUNTAIN	1 294	1 260	1 202
MONTANA	207	310	307
UTAH	(D)	(D)	(D)
PACIFIC	2 064	2 168	2 175
WASHINGTON	681	728	697
OREGON	520	537	604
CALIFORNIA AND HAWAII	854	903	872

Note: Detail may not add to total due to independent rounding.

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Revised by 5 percent or more from previously published figure.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

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EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, and industrial flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

OFFICIAL BUSINESS



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE



Flour Milling Products

February 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: April 13, 1970

SERIES: M20A(70)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary Statistics-Wheat Flour Milling

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1970								
February.....	1,105	21,003	366,160	46,761	(NA)	1,013	109.1	74.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
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August.....	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
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March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February.....	949	18,974	335,115	42,038	(NA)	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November.....	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3
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September.....	1,076	21,533	378,872	48,042	4,517	1,008	106.7	75.0
August.....	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2
July.....	928	20,422	369,203	45,852	(NA)	1,010	91.9	74.2
June.....	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6
May.....	908	19,985	350,548	44,374	(NA)	1,003	90.5	75.1
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March.....	1,041	21,873	390,016	49,019	4,348	1,003	103.8	74.4
February.....	970	20,379	365,675	45,637	(NA)	1,006	96.4	74.4

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

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³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1970 QUANTITY	JANUARY 1970 QUANTITY	FEBRUARY 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 303	1 357	1 196
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 935	2 998	2 679
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	213	221	202
0011351	RYE GROUND FOR FLOUR	M BU	512	497	455
2041618	RYE MILLFEED PRODUCTION	TONS	3 198	2 738	2 416
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

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TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1970 QUANTITY PRODUCED	JANUARY 1970 QUANTITY PRODUCED	FEBRUARY 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	21 003	21 960	18 974
MIDDLE ATLANTIC	2 655	2 672	2 534
NEW YORK	2 304	2 304	2 178
NORTH CENTRAL	12 296	12 941	10 954
OHIO	1 194	1 107	1 051
INDIANA	531	594	489
ILLINOIS	1 174	1 261	1 119
MICHIGAN	604	628	616
MINNESOTA	2 281	2 457	2 190
IOWA	445	456	423
MISSOURI	1 881	2 016	1 741
NEBRASKA	692	659	548
KANSAS	2 940	3 158	2 229
SOUTH ATLANTIC	689	685	645
EAST SOUTH CENTRAL	946	1 016	883
TENNESSEE	723	780	696
WEST SOUTH CENTRAL	1 255	1 292	832
OKLAHOMA	369	393	230
TEXAS	886	899	602
MOUNTAIN	1 191	1 294	1 099
MONTANA	290	297	279
UTAH	(D)	(D)	(D)
PACIFIC	1 971	2 060	2 027
WASHINGTON	676	681	671
OREGON	496	529	555
CALIFORNIA AND HAWAII	799	850	801

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, and industrial flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

March 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: May 6, 1970

SERIES: M20A(70)-3

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	Average per working day ¹	Calendar month total						
1970								
March.....	970	21,347	362,184	47,936	4,237	1,003	96.7	74.3
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
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	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 413	1 303	1 231
0041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 885	2 935	2 739
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	186	213	192
0011351	RYE GROUND FOR FLOUR	M BU	422	510	422
2041618	RYE MILLFEED PRODUCTION	TONS	2 641	3 180	2 357
2041611	RYE FLOUR STOCKS (1)	M CWT	45	(NA)	46
	24 HOUR CAPACITY (1)	DO	14	14	14

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(1,000 CWT.)

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UNITED STATES, TOTAL	21 347	21 015	20 625
MIDDLE ATLANTIC	2 588	2 655	2 885
NEW YORK	2 254	2 304	2 488
NORTH CENTRAL	12 560	12 304	11 673
OHIO	1 175	1 194	1 085
INDIANA	581	531	532
ILLINOIS	1 082	1 182	1 216
MICHIGAN	628	606	646
MINNESOTA	2 326	2 281	2 289
IOWA	473	445	492
MISSOURI	1 912	1 881	1 896
NEBRASKA	672	692	600
KANSAS	3 135	2 938	2 339
SOUTH ATLANTIC	713	693	673
EAST SOUTH CENTRAL	937	948	945
TENNESSEE	732	725	730
WEST SOUTH CENTRAL	1 261	1 245	1 071
OKLAHOMA	414	369	303
TEXAS	847	876	768
MOUNTAIN	1 205	1 204	1 188
MONTANA	284	290	252
UTAH	(D)	(D)	(D)
PACIFIC	2 083	1 966	2 190
WASHINGTON	687	676	725
OREGON	494	496	541
CALIFORNIA AND HAWAII	902	794	924

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OFFICIAL BUSINESS



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CURRENT INDUSTRIAL REPORTS



UNITED STATES
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Flour Milling Products

April 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

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SERIES: M20A(70)-4

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March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November.....	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3
October.....	1,022	23,506	410,535	53,606	(NA)	1,008	101.4	73.1
September.....	1,076	21,533	378,872	48,042	4,517	1,008	106.7	75.0
August.....	994	21,873	390,560	48,950	(NA)	1,010	98.4	74.2
July.....	928	20,422	369,203	45,852	(NA)	1,010	91.9	74.2
June.....	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6
May.....	908	19,985	350,548	44,374	(NA)	1,003	90.5	75.1
April.....	910	20,025	355,308	44,492	(NA)	1,003	90.7	75.0

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—\$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1970 QUANTITY	MARCH 1970 QUANTITY	APRIL 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 186	1 413	949
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 405	2 885	2 112
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	153	186	175
0011351	RYE GROUND FOR FLOUR	M BU	343	422	384
2041618	RYE MILLFEED PRODUCTION	TONS	2 060	2 641	1 944
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	45	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1970 QUANTITY PRODUCED	MARCH 1970 QUANTITY PRODUCED	APRIL 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 756	21 347	20 307
MIDDLE ATLANTIC	2 436	2 588	2 666
NEW YORK	2 086	2 254	2 291
NORTH CENTRAL	12 415	12 561	11 536
OHIO	1 276	1 174	1 033
INDIANA	553	581	531
ILLINOIS	963	1 082	1 136
MICHIGAN	619	630	608
MINNESOTA	2 354	2 326	2 012
IOWA	489	473	410
MISSOURI	1 841	1 912	1 810
NEBRASKA	651	672	595
KANSAS	3 139	3 135	2 927
SOUTH ATLANTIC	1 037	712	684
EAST SOUTH CENTRAL	923	937	920
TENNESSEE	707	732	719
WEST SOUTH CENTRAL	1 304	1 261	1 344
OKLAHOMA	402	414	404
TEXAS	902	847	940
MOUNTAIN	1 106	1 205	1 150
MONTANA	249	284	279
UTAH	(D)	(D)	(D)
PACIFIC	1 835	2 083	2 007
WASHINGTON	629	687	652
OREGON	393	494	526
CALIFORNIA AND HAWAII	813	902	829

Note: Detail may not add to total due to independent rounding.

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, and industrial flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

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Flour Milling Products

June 1970



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: August 4, 1970

SERIES: M20A(70)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary Statistics-Wheat Flour Milling

Month and year	Wheat flour production (1,000 cwt.) ¹		Millfeed production (tons)	Wheat ground for flour (bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1970								
June.....	911	20,044	353,872	44,265	4,227	1,005	90.6	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
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January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
November.....	1,104	22,080	386,397	49,523	(NA)	1,008	109.5	74.3
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June.....	984	19,687	351,956	44,119	4,262	1,010	97.4	74.6

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1970 QUANTITY	MAY 1970 QUANTITY	JUNE 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 086	1 156	913
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 336	2 497	2 018
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	181	186	180
0011351	RYE GROUND FOR FLOUR	M BU	408	408	411
2041618	RYE MILLFEED PRODUCTION	TONS	2 598	2 310	2 334
2041611	RYE FLOUR STOCKS (1)	M CWT	25	25	34
	24 HOUR CAPACITY (1)	DO	13	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

F Revised by 5 percent or more from previously published figures.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JUNE 1970 QUANTITY PRODUCED	MAY 1970 QUANTITY PRODUCED	JUNE 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 044	19 826	20 758
MIDDLE ATLANTIC	2 570	2 462	2 904
NEW YORK	2 232	2 125	2 504
NORTH CENTRAL	11 703	11 817	11 854
OHIO	1 017	927	954
INDIANA	501	507	533
ILLINOIS	1 058	977	1 127
MICHIGAN	672	552	681
MINNESOTA	2 318	2 347	2 267
IOWA	473	467	480
MISSOURI	1 841	1 866	1 702
NEBRASKA	667	668	670
KANSAS	2 657	3 007	3 004
SOUTH ATLANTIC	716	681	652
EAST SOUTH CENTRAL	969	943	964
TENNESSEE	747	691	745
WEST SOUTH CENTRAL	1 127	1 251	1 286
OKLAHOMA	328	352	366
TEXAS	799	899	920
MOUNTAIN	1 110	963	1 157
MONTANA	233		286
UTAH	(D)	(D)	(D)
PACIFIC	1 849	1 709	1 941
WASHINGTON	584	571	647
OREGON	395	350	469
CALIFORNIA AND HAWAII	870	788	825

Note: Detail may not add to total due to independent rounding.

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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CURRENT INDUSTRIAL REPORTS

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Flour Milling Products

July 1970



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: August 27, 1970

SERIES: M20A(70)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary Statistics-Wheat Flour Milling

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ /percent
	Average per working day ¹	Calendar month total						
1970								
July.....	871	20,023	350,375	14,788	(NA)	1,005	86.6	74.5
June.....	908	19,982	353,236	14,126	4,227	1,005	90.4	75.4
May.....	941	19,826	346,610	11,500	(NA)	1,003	94.0	71.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,018	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	17,424	(NA)	1,013	109.1	73.9
January.....	1,016	21,960	383,457	18,905	(NA)	1,013	103.2	71.8
1969								
December.....	1,098	23,068	101,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,341	(NA)	1,007	115.8	71.9
October.....	1,016	23,357	407,352	51,804	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,007	105.0	71.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	101.5	74.5
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	71.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.1
May.....	1,010	21,217	372,767	17,623	(NA)	1,003	100.7	71.2
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March.....	982	20,625	363,593	16,121	4,489	1,003	97.9	71.5
February.....	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	17,667	4,638	1,002	101.1	71.1
November.....	1,104	22,080	386,397	39,523	(NA)	1,008	109.5	71.3
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September.....	1,076	21,533	378,872	18,042	4,517	1,008	106.7	75.0
August.....	994	21,873	390,560	18,950	(NA)	1,010	98.4	71.2
July.....	928	20,422	369,203	15,852	(NA)	1,010	91.9	71.2

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION; GRAIN CONSUMPTION;
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1970 QUANTITY	JUNE 1970 QUANTITY	JULY 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 056	1 086	994
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 326	2 336	2 186
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	173	181	199
2041351	RYE GROUND FOR FLOUR	M BU	390	408	462
2041618	RYE MILLFEED PRODUCTION	TONS	2 387	2 598	2 554
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	25	(NA)
	24 HOUR CAPACITY (1)	DO	13	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

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TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1970 QUANTITY PRODUCED	JUNE 1970 QUANTITY PRODUCED	JULY 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 023	19 982	19 620
MIDDLE ATLANTIC	2 728	2 570	2 817
NEW YORK	2 409	2 232	2 473
NORTH CENTRAL	11 654	11 650	11 704
OHIO	1 128	1 020	1 117
INDIANA	492	501	505
ILLINOIS	870	1 057	1 153
MICHIGAN	593	677	637
MINNESOTA	2 154	2 258	2 372
IOWA	489	473	467
MISSOURI	1 843	1 841	1 880
NEBRASKA	689	667	568
KANSAS	3 049	2 657	2 499
SOUTH ATLANTIC	707	716	694
EAST SOUTH CENTRAL	977	963	944
TENNESSEE	750	741	725
WEST SOUTH CENTRAL	1 007	1 127	1 001
OKLAHOMA	273	328	247
TEXAS	734	799	754
MOUNTAIN	989	1 110	1 335
MONTANA	256	233	297
UTAH	(D)	(D)	(D)
PACIFIC	1 961	1 846	1 125
WASHINGTON	621	584	77
OREGON	474	395	246
CALIFORNIA AND HAWAII	866	867	802

Note: Detail may not add to total due to independent rounding.

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

August 1970



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: September 30, 1970

SERIES: M20A(70)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1968 to 1970

Month and year	Wheat flour production 1,000 cwt. ¹		Milled production tons ¹	Wheat ground for flour bushels ¹	Wheat flour mill stocks ² 1,000 cwt. ¹	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ² percent
	Average per working day ¹	Calendar month total						
1970								
August.....	1,019	21,393	372,413	47,463	NA ¹	1,005	101.3	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
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January.....	1,046	21,960	383,457	48,905	NA ¹	1,013	103.2	74.8
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December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	NA ¹	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA ¹	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,007	105.0	74.7
August.....	1,022	21,455	376,985	47,974	NA ¹	1,006	101.5	74.7
July.....	891	19,620	344,587	44,119	NA ¹	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	NA ¹	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	NA ¹	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	NA ¹	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	NA ¹	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4
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October.....	1,022	23,506	410,535	53,606	NA ¹	1,008	101.4	73.1
September.....	1,076	21,533	378,872	48,042	4,517	1,088	106.7	75.0
August.....	994	21,873	390,560	48,950	NA ¹	1,010	98.4	74.2

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1970 QUANTITY	JULY 1970 QUANTITY	AUGUST 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 400	1 056	1 190
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	3 059	2 326	2 660
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	291	173	194
0011351	RYE GROUND FOR FLOUR	M BU	645	390	445
204161A	RYE MILLFEED PRODUCTION	TONS	3 433	2 387	2 452
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1970 QUANTITY PRODUCED	JULY 1970 QUANTITY PRODUCED	AUGUST 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 393	19 991	21 455
MIDDLE ATLANTIC	2 816	2 728	2 926
NEW YORK	2 444	2 409	2 526
NORTH CENTRAL	12 589	11 655	12 419
OHIO	1 027	1 127	1 051
INDIANA	548	492	542
ILLINOIS	1 080	870	1 180
MICHIGAN	649	593	631
MINNESOTA	2 327	2 154	2 606
IOWA	509	489	481
MISSOURI	2 067	1 843	1 875
NEBRASKA	599	689	629
KANSAS	3 283	3 051	2 848
SOUTH ATLANTIC	687	708	710
EAST SOUTH CENTRAL	1 018	977	967
TENNESSEE	776	750	749
WEST SOUTH CENTRAL	1 259	1 015	1 131
OKLAHOMA	309	273	335
TEXAS	950	742	796
MOUNTAIN	978	r 955	1 215
MONTANA	212	r 256	193
UTAH	(0)	(0)	(0)
PACIFIC	2 046	1 953	2 087
WASHINGTON	698	621	717
OREGON	441	474	525
CALIFORNIA AND HAWAII	907	858	845

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r Revised by 5 percent or more from previously published data.

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DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

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Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

September 1970



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: November 3, 1970

SERIES: M20A(70)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1968 to 1970

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1970								
September.....	1,013	22,282	394,682	49,161	4,438	1,013	100.0	74.6
August.....	1,011	21,233	372,617	47,140	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
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Note: Data include estimates for small mills.

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1970 QUANTITY	AUGUST 1970 QUANTITY	SEPTEMBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 314	1 400	1 239
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 839	3 059	2 665
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	203	291	195
0011351	RYE GROUND FOR FLOUR	M BU	467	645	442
2041618	RYE MILLFEED PRODUCTION	TONS	2 724	3 433	2 625
2041611	RYE FLOUR STOCKS (1)	M CWT	29	(NA)	39
	24 HOUR CAPACITY (1)	DO	14	14	14

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(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	SEPTEMBER 1970 QUANTITY PRODUCED	AUGUST 1970 QUANTITY PRODUCED	SEPTEMBER 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	22 282	21 233	22 201
MIDDLE ATLANTIC	2 870	2 816	3 091
NEW YORK	2 498	2 444	2 715
NORTH CENTRAL	12 908	12 372	12 642
OHIO	1 076	1 027	719
INDIANA	567	548	528
ILLINOIS	1 300	1 057	1 297
MICHIGAN	568	768	644
MINNESOTA	2 404	2 327	2 501
IOWA	503	509	505
MISSOURI	2 218	2 073	2 059
NEBRASKA	676	597	680
KANSAS	3 235	3 282	3 162
SOUTH ATLANTIC	764	727	745
EAST SOUTH CENTRAL	1 018	1 000	1 031
TENNESSEE	787	761	801
WEST SOUTH CENTRAL	1 394	1 252	1 337
OKLAHOMA	408	309	388
TEXAS	986	943	949
MOUNTAIN	1 095	978	1 280
MONTANA	196	212	312
UTAH	(D)	(D)	(D)
PACIFIC	2 233	2 088	2 075
WASHINGTON	681	698	674
OREGON	548	743	498
CALIFORNIA AND HAWAII	1 004	907	903

Note: Detail may not add to total due to independent rounding.

^F Revised by 5 percent or more from previously published data.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

October 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: December 3, 1970

SERIES: M20A(70)-10

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	Average per working day ¹	Calendar month total						
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	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 169	1 314	1 367
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 551	2 839	2 992
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	207	203	194
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2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	29	(NA)
	24 HOUR CAPACITY (1)	DO	13	14	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

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(1+000 CWT.)

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UNITED STATES: TOTAL	23 355	22 159	23 357
MIDDLE ATLANTIC	3 029	2 870	3 172
NEW YORK	2 663	2 498	2 786
NORTH CENTRAL	13 564	12 774	13 402
OHIO	1 088	1 076	763
INDIANA	645	567	645
ILLINOIS	1 351	1 319	1 348
MICHIGAN	651	568	718
MINNESOTA	2 554	2 322	2 667
IOWA	524	503	479
MISSOURI	2 239	2 218	2 059
NEBRASKA	684	676	719
KANSAS	3 407	3 164	3 377
SOUTH ATLANTIC	936	759	776
EAST SOUTH CENTRAL	1 007	1 022	1 055
TENNESSEE	763	791	801
WEST SOUTH CENTRAL	1 406	1 406	1 468
OKLAHOMA	435	408	447
TEXAS	971	998	1 017
MOUNTAIN	1 098	1 095	1 333
MONTANA	185	196	304
UTAH	(D)	(D)	(D)
PACIFIC	2 315	2 233	2 155
WASHINGTON	786	681	665
OREGON	607	548	590
CALIFORNIA AND HAWAII	922	1 004	900

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Flour Milling Products

November 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: January 4, 1971

SERIES: M20A(70)-II

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November.....	1,167	22,170	385,139	49,344	NA	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA	1,007	100.9	75.0
September.....	1,057	22,201	386,521	19,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	17,974	NA	1,006	88.6	74.7
July.....	891	19,620	344,587	14,119	NA	1,006	88.6	74.0
June.....	988	20,758	364,574	16,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	17,623	NA	1,003	100.7	74.2
April.....	923	20,307	356,435	15,631	NA	1,003	92.0	74.1
March.....	982	20,625	363,593	16,121	4,189	1,003	97.9	74.5
February.....	949	18,974	335,145	12,038	NA	1,002	94.7	75.2
January.....	925	20,342	362,399	15,888	NA	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	17,667	4,638	1,002	101.1	74.4
November.....	1,104	22,080	386,397	49,523	NA	1,008	109.5	74.3

Note: Data include estimates for small mills.

¹NA: Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1970 QUANTITY	OCTOBER 1970 QUANTITY	NOVEMBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 157	1 169	1 142
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 491	2 551	2 498
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	185	206	206
0011351	RYE GROUND FOR FLOUR	M BU	420	459	474
2041618	RYE MILLFEED PRODUCTION	TONS	2 322	2 456	2 706
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	14	14	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.
(NA) NOT AVAILABLE.
(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1970 QUANTITY PRODUCED	OCTOBER 1970 QUANTITY PRODUCED	NOVEMBER 1969 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 870	23 364	22 170
MIDDLE ATLANTIC	2 634	3 029	2 986
NEW YORK	2 303	2 663	2 603
NORTH CENTRAL	12 127	13 580	12 831
OHIO	1 063	1 086	1 199
INDIANA	550	645	584
ILLINOIS	1 118	1 370	1 231
MICHIGAN	586	651	654
MINNESOTA	2 195	2 553	2 379
IOWA	462	524	482
MISSOURI	1 984	2 239	1 993
NEBRASKA	716	684	679
KANSAS	3 083	3 407	3 099
SOUTH ATLANTIC	717	936	736
EAST SOUTH CENTRAL	911	1 005	978
TENNESSEE	677	761	760
WEST SOUTH CENTRAL	1 431	1 401	1 356
OKLAHOMA	521	432	403
TEXAS	910	969	953
MOUNTAIN	1 135	1 098	1 234
MONTANA	277	185	266
UTAH	(D)	(D)	(D)
PACIFIC	1 915	2 315	2 049
WASHINGTON	588	786	662
OREGON	472	607	503
CALIFORNIA AND HAWAII	855	922	884

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

Washington, D.C. 20233

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CURRENT INDUSTRIAL REPORTS

GOVT. DOC.

Flour Milling Products

December 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: January 27, 1971

SERIES: M20A(70)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1968 to 1970

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1970								
December.....	944	20,759	361,302	46,141	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,536	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,435	376,985	47,974	(NA)	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8
1968								
December.....	1,013	21,279	374,116	47,667	4,638	1,002	101.1	74.4

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—\$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1970 QUANTITY	NOVEMBER 1970 QUANTITY	DECEMBER 1969 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 216	1 157	1 139
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 610	2 491	2 495
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	208	185	228
0011351	RYE GROUND FOR FLOUR	M BU	498	420	529
2041618	RYE MILLFEED PRODUCTION	TONS	2 511	2 312	3 050
2041611	RYE FLOUR STOCKS (1)	M CWT	44	(NA)	38
	24 HOUR CAPACITY (1)	DO	15	14	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1970 QUANTITY PRODUCED	NOVEMBER 1970 QUANTITY PRODUCED	DECEMBER 1969 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 759	20 707	23 068
MIDDLE ATLANTIC	2 829	2 634	3 017
NEW YORK	2 453	2 303	2 633
NORTH CENTRAL	11 969	12 125	13 466
OHIO	1 024	1 063	1 265
INDIANA	495	542	583
ILLINOIS	1 156	1 118	1 225
MICHIGAN	552	592	650
MINNESOTA	2 236	2 195	2 440
IOWA	479	462	504
MISSOURI	2 051	1 984	2 231
NEBRASKA	705	716	725
KANSAS	2 917	3 083	3 258
SOUTH ATLANTIC	735	717	750
EAST SOUTH CENTRAL	927	896	1 004
TENNESSEE	693	662	767
WEST SOUTH CENTRAL	1 184	1 285	1 394
OKLAHOMA	285	377	407
TEXAS	899	908	987
MOUNTAIN	1 083	1 135	1 269
MONTANA	286	277	310
UTAH	(D)	(D)	(D)
PACIFIC	2 032	1 915	2 168
WASHINGTON	606	588	724
OREGON	454	472	537
CALIFORNIA AND HAWAII	972	855	903

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.
more from previously published figures.

^rRevised by 5 percent or

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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CURRENT INDUSTRIAL REPORTS

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11180 + (70)-13Flour Milling Products
Summary for 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: August 2, 1971

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This report includes statistics for all the months of 1970 and 1969. All revisions in this series compiled for these years, including more historical data and more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1970 amounted to 253.1 million cwt. sacks about 1.0 million cwt. sacks below the 1969 production which, in turn was approximately 8.9 million cwt. above the production for 1967. Production figures in 1970 and 1969 were at 99.7 and 98.3 percent, respectively, of total annual capacity.

Wheat mills in 1970 and 1969 ground 563,7 and 568.0 million bushels of wheat; corresponding mill feed production figures for these years were 4,409 and 4,458 thousand tons.

Production of rye flour in 1970 amounted to 2,406 thousand cwt. sacks, compared with 2,361 thousand cwt. sacks in 1969. Rye grindings in 1970 and 1969 were 5,467 and 5,378 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheat-milling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products. The quantity figures for 1967 and 1963 were 245,703 and 267,530 thousand cwt., respectively. The production figures for these years as published in table 1 of this report are 245,240 and 260,007 thousand cwt. sacks, respectively.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief of the Foods, Textiles, Apparel and Leather Branch. Kenneth I. Hansen, Chief, Foods, assisted by James I. Oliver, was directly responsible for the review of the data and preparation of the report. Owen C. Gretton, Chief of the Division, and Elmer S. Biles, Assistant Chief, provided overall direction, and coordination to this project.

Table 1.--SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1940 TO 1970

Year	Wheat flour production (1,000 cwt. sacks)	Wheat grindings (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent) ¹
				Wheat	Mill feed	
1940.....	212,700	494,900	4,302	139.6	40.5	71.6
1941.....	216,800	504,300	4,356	139.6	40.2	71.6
1942.....	221,100	515,300	4,444	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,598	140.1	40.8	71.4
1946.....	278,900	634,740	4,895	134.4	35.1	74.4
1947.....	305,499	701,799	5,913	137.8	38.7	72.6
1948.....	279,133	639,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,411	4,534	139.6	40.3	71.6
1951.....	229,292	535,235	4,626	140.1	40.4	71.4
1952.....	228,118	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,416	4,432	139.2	39.9	71.8
1954.....	221,405	514,028	4,440	139.3	40.1	71.8
1955.....	225,648	522,451	4,483	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	548,532	4,584	137.8	38.4	72.6
1958.....	248,004	566,688	4,713	137.1	38.0	72.9
1959.....	250,568	570,856	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,663	591,654	4,890	135.7	37.4	73.7
1965.....	250,384	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.1
1967.....	245,240	549,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,649	4,511	134.5	35.5	74.4
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	563,714	4,409	133.6	34.8	74.8

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1940 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1954, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

¹Wheat flour production as compared with the amount of wheat ground. ²Based on 1954 Census of Manufactures. See Census report MC-200, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, BY MONTH: 1970 AND 1969

Month	Wheat flour production (1,000 cwt. sacks)		Wheat grindings (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent) ²
	Average per working day ¹	Calendar month total			Wheat	Mill feed	
1970, TOTAL.....	993	253,094	563,714	4,409	133.6	34.8	74.8
January.....	1,046	21,960	48,917	383	133.7	34.9	74.8
February.....	1,105	21,015	47,424	357	135.4	34.0	73.9
March.....	970	21,347	47,396	372	133.2	34.8	75.5
April.....	943	20,756	45,834	352	132.5	33.9	75.5
May.....	944	19,836	44,500	347	134.7	35.0	74.3
June.....	908	19,982	44,196	353	132.5	35.3	75.4
July.....	889	19,991	44,700	350	134.2	35.0	74.5
August.....	1,011	21,233	47,440	373	134.1	35.1	75.1
September.....	1,055	22,159	49,361	393	133.7	35.5	74.8
October.....	1,062	23,364	51,708	407	132.8	34.8	75.3
November.....	1,035	20,707	46,161	361	135.8	34.8	74.8
December.....	943	20,754	46,147	361	132.1	34.4	75.0
1969, TOTAL.....	996	254,094	567,956	4,458	134.1	35.1	74.6
January.....	925	20,342	45,888	362	135.3	35.6	73.8
February.....	949	18,974	42,038	335	132.9	35.3	75.2
March.....	982	20,625	46,121	364	134.2	35.3	74.5
April.....	923	20,307	45,631	356	134.8	35.1	74.1
May.....	1,010	21,217	47,623	373	134.7	35.2	74.2
June.....	988	20,758	46,457	365	134.3	35.2	74.4
July.....	891	19,620	44,119	345	134.9	35.2	74.0
August.....	1,022	21,455	47,974	377	134.2	35.1	74.5
September.....	1,057	22,301	49,519	387	133.8	34.9	74.7
October.....	1,016	22,357	51,894	407	133.3	34.9	75.0
November.....	1,167	22,170	49,344	385	133.5	34.7	74.9
December.....	1,038	23,068	51,348	402	133.6	34.9	74.8

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

²Wheat flour production as compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS: 1970 AND 1969

Month	Rye flour production (1,000 cwt. sacks)	Rye grindings (1,000 bushels)	Mill feed production (tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent) ¹
				Rye	Mill feed	
1970, TOTAL.....	2,406	5,467	31,350	127.3	26.0	78.6
January.....	221	497	2,738	125.8	24.8	79.5
February.....	213	510	3,180	131.3	29.9	74.5
March.....	186	422	2,641	126.9	28.4	78.8
April.....	153	343	2,060	125.5	26.9	79.7
May.....	186	408	2,310	122.6	24.8	81.6
June.....	181	408	2,598	126.0	28.8	79.4
July.....	173	390	2,387	126.0	27.6	79.4
August.....	291	645	3,433	124.1	23.6	80.6
September.....	203	467	2,724	129.1	26.8	77.5
October.....	206	459	2,456	124.8	23.8	80.2
November.....	185	420	2,312	127.0	25.0	78.7
December.....	208	498	2,511	134.1	24.2	74.6
1969, TOTAL.....	2,361	5,378	29,707	127.6	25.2	78.4
January.....	212	490	2,459	129.4	23.2	77.3
February.....	202	455	2,416	126.1	23.9	79.3
March.....	192	422	2,357	123.1	24.6	81.2
April.....	175	384	1,944	122.9	22.2	81.4
May.....	184	415	2,217	126.3	24.2	79.2
June.....	180	411	2,334	127.9	25.9	78.2
July.....	199	462	2,554	130.0	25.7	76.9
August.....	194	445	2,452	128.5	25.3	77.8
September.....	195	442	2,625	126.9	26.9	78.8
October.....	194	419	2,593	129.6	26.8	77.2
November.....	206	474	2,706	128.9	26.3	77.6
December.....	228	529	3,050	129.9	26.8	77.0

¹Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1970 AND 1969

Geographic areas	1970				1969			
	Wheat grindings (1,000 bushels)	Wheat flour production			Wheat grindings (1,000 bushels)	Wheat flour production		
		Total (1,000 cwt. sacks)	Daily ¹ (24 hour) capacity (cwt. sacks)	Percent of estimated annual capacity ²		Total (1,000 cwt. sacks)	Daily ¹ (24 hour) capacity (cwt. sacks)	Percent of estimated annual capacity ²
UNITED STATES, TOTAL..	563,714	253,094	987,962	99.7	567,956	254,094	1,013,322	98.3
Middle Atlantic division..	70,730	32,289	118,232	106.3	76,362	34,442	124,968	108.1
New York.....	60,738	28,075	99,859	109.4	65,799	29,831	109,976	106.7
North Central Region.....	329,814	148,163	557,884	103.3	327,477	146,513	576,235	99.7
Ohio.....	29,832	13,101	56,145	90.8	28,429	12,373	56,995	85.1
Indiana.....	15,377	6,556	25,888	98.5	15,303	6,545	25,888	99.2
Illinois.....	30,537	13,413	63,658	82.0	32,558	14,447	63,427	89.3
Michigan.....	16,506	7,275	34,656	81.7	17,861	7,740	32,129	94.5
Minnesota.....	60,195	27,810	97,911	110.5	61,296	28,186	101,194	109.2
Iowa.....	12,777	5,769	20,801	107.9	12,569	5,584	20,551	106.5
Missouri.....	52,095	23,765	78,926	117.2	51,030	22,979	89,682	100.5
Nebraska.....	18,723	8,076	32,023	98.1	17,331	7,660	30,023	100.1
Kansas.....	81,533	36,938	129,741	110.8	76,766	34,524	127,890	105.9
South Atlantic division...	19,876	8,820	44,689	76.8	18,991	8,394	42,739	77.0
East South Central division	26,504	11,544	50,290	89.3	26,436	11,592	50,006	90.9
Tennessee.....	20,065	8,781	30,314	112.7	20,377	9,137	30,330	118.1
West South Central division	33,944	15,023	66,032	88.5	32,536	14,537	66,232	86.1
Oklahoma.....	9,502	4,342	16,633	101.6	9,310	4,219	17,533	94.4
Texas.....	24,442	10,681	49,399	84.1	23,226	10,318	48,699	83.1
Mountain division.....	29,602	13,226	60,764	84.7	32,852	14,645	64,612	88.9
Montana.....	6,469	2,986	12,855	90.4	7,201	3,347	11,816	111.1
Utah.....	(D)	(D)	25,122	(D)	(D)	(D)	27,509	(D)
Pacific division.....	53,244	24,029	90,071	103.8	53,302	23,971	88,530	106.2
Washington.....	17,232	7,808	29,985	101.3	16,918	7,612	29,785	108.6
Oregon.....	12,733	5,695	23,525	94.2	13,634	6,125	23,025	104.3
California ³	23,279	10,526	36,561	112.0	22,750	10,234	35,720	112.4

¹(D) Withheld to avoid disclosing figures for individual companies.²Capacity as reported for December of each year.³Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1969 and 257 for 1970. This figure is calculated on the basis of a 5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.⁴Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1970 AND 1969

Quarter	Production	Production
	(1,000 cwt. sacks)	(1,000 cwt. sacks)
1970:		
First.....	64,322	4,237
Second.....	60,564	4,227
Third.....	63,383	4,438
Fourth.....	64,825	4,329
1969:		
First.....	59,941	4,489
Second.....	62,282	4,324
Third.....	63,276	4,391
Fourth.....	68,595	4,595

Table 6.--DURUM WHEAT PRODUCTS

Item	1970		1969	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels).....	16,176	15,876	14,266	15,496
Straight semolina and durum flour produced (thousand sacks (cwt.)).....	7,501 (D)	7,312 (D)	6,408 (D)	7,071 (D)
Blended semolina and durum flour produced (thousand sacks cwt.				

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION 1970 AND 1969

Manufacturers' shipments represent quantity and value, f.o.b. plant of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance costs.

Total import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufacturers' production 1,000 cwt	Exports of domestic merchandise ¹		Percent exports to manufacturers' production	Imports for consumption (1,000 cwt)	Calculated import duty (\$1,000)	Apparent consumption ² (1,000 cwt)	Percent imports to apparent consumption
		Quantity 1,000 cwt	Value (\$1,000)					
		1970						
Wheat flour.....	253,094	226,002	399,739	10.3	(2)	(NA)	227,092	NA
Semolina and durum flour.....	14,813	67	1,343	0.4	(2)	(NA)	14,746	NA
		1969						
Wheat flour.....	254,094	226,286	394,465	10.3	(2)	(NA)	227,808	NA
Semolina and durum flour.....	14,479	56	1,303	0.4	(2)	(NA)	14,423	NA

(NA) not available.

¹Source: Bureau of the Census Report FT 610, U.S. Exports of Domestic Merchandise, SIC-Based Products and Area.

²Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also, see footnote 7 below.

³1970 Schedule B codes 0460110, 0460120, 0460140, 0460150.

⁴1970 Schedule B code 0450130.

⁵1969 Schedule B codes 0460010, 0460020, 0460040, 0460050.

⁶1969 Schedule B code 0460030.

⁷TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated (1314000 is "Wheat, Milled, Fit for Human Consumption," 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) Valuation.--Domestic producers' shipments, or production, are usually valued at the point of production--the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation--seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

separately for each commodity line in the table, but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) Duplication in quantity and value of output.--Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) Low-value export and import transactions.--Commodity information is not shown for individual imports and exports valued under \$100 or for imports on informal entries, Informal entries, by definition, contain only items valued at not more than \$250. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) Manufacturers' shipments, not specified by kind.--The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) Time lag between output and exports.--There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) "Direct" vs "total" commodity exports.--The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) Used commodities.--With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products
Seasonal Adjustment Supplement

1959 to 1970

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: March 31, 1971

SERIES: M20A Supplement

This report presents seasonally adjusted data for a number of the most important series published monthly in Current Industrial Reports Series M20A, Flour Milling Products. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not associated with a repetitive seasonal pattern.

The seasonal adjustments were made using the X-11 variant of the Census Bureau's seasonal adjustment program. The X-11 variant of the seasonal adjustment program has developed improved techniques for the treatment of extremes and a regression program to identify trading-day adjustment to the monthly aggregates. The trading-day routine is optional and has been used for the series presented in this publication. This program is amply described in the literature on this method. It should be noted that the data included in this report have not been adjusted on an establishment basis prior to tabulation for variation in the length of the reporting period such as 4-week, 5-week, or calendar month.

For each series included in this report the following tables are shown:

- (1) Seasonally-adjusted data.
- (2) Data without seasonal adjustment (original series).
- (3) Seasonal adjustment factors. The seasonally-adjusted data are obtained by dividing the unadjusted data by the seasonal factors for the specific month.
- (4) Average percentage changes and related measures for each series.

Beginning in March 1971, these seasonally adjusted data will be included in table 1b of the regular M20A report. That report also includes a detailed description of the survey, including a discussion of the scope and coverage of the report together with an explanation of the terms.

TRADING-DAY FACTORS

Variation in the rate of activity that arises from the existence of different numbers of trading days in the same month for different years can be an important cause of month-to-month irregular fluctuations. Unlike some other causes of irregular fluctuations such as unexpected economic developments, unusual weather, and statistical errors, trading-day irregularities can be approximately identified and removed so that the underlying trend-cycle stands out more clearly. Hence, it is often possible to reduce the irregular factor by a trading-day adjustment.

BRIEF DEFINITIONS OF MEASURES SHOWN
IN TABLE 4

The following are brief definitions; more complete explanations appear in Electronic Computers and Business Indicators, by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from Journal of Business, October 1957).

"CI" is the average month-to-month percentage change, without regard to sign, in the seasonally adjusted series (i.e., the series after adjustment for measurable seasonal, trading-day, and holiday variations).

"I" is the same for the irregular component, obtained by dividing the cyclical component into the seasonally adjusted series.

"C" is the same for the cyclical component, a smooth, flexible moving average of the seasonally adjusted series.

"I/C" is a measure of the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is shown for 1-month spans and for spans of the period of MCD. When MCD is "6", no I/C ratio is shown for the MCD period.

"MCD" (months for cyclical dominance) provides an estimate of the appropriate time span

over which to observe cyclical movements in a monthly series. It is small for smooth series and large for irregular series. In deriving MCD, percentage changes are computed separately for the irregular component and the cyclical component over 1-month spans (Jan.-Feb., Feb.-Mar., etc.), 2-months spans (Jan.-Mar., Feb.-Apr., etc.), up to 12-month spans. Averages, without regard to sign, are then computed for the changes over each span. MCD is the shortest span in months for which the average percentage change (without regard to sign) in the cyclical component is larger than the average percentage change (without regard to sign) in the irregular component, and remains so. Thus, it indicates the point at which fluctuations in the seasonally adjusted series became dominated by cyclical rather than irregular movements. All series with the MCD greater than "5" are shown as "6."

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between 2 months, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series CI, irregular component I, cyclical component C, and the MCD curve. The MCD curve is an unweighted moving average (with the number of terms equal to MCD) of the seasonally adjusted series.

TABLE 1A.--WHEAT FLOUR PRODUCTION, AVERAGE PER WORKING DAY, BY MONTHS

FINAL SEASONALLY ADJUSTED SERIES												(1,000 CWT SACKS)
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	959.	943.	959.	974.	998.	1007.	947.	967.	992.	983.	1016.	992.
1960	1006.	950.	994.	985.	970.	996.	1001.	989.	1014.	1053.	997.	1019.
1961	1029.	1054.	1012.	966.	1010.	1007.	1023.	1056.	992.	1012.	1026.	1064.
1962	1046.	1080.	1054.	1035.	1017.	1002.	1035.	1030.	1021.	1006.	1032.	1008.
1963	995.	1034.	1039.	1056.	1078.	1035.	1070.	1037.	1001.	1030.	1026.	1040.
1964	1080.	1004.	1014.	1070.	1050.	1306.	706.	973.	1035.	1063.	1055.	989.
1965	964.	907.	993.	959.	973.	1089.	930.	1008.	1010.	1001.	963.	948.
1966	929.	989.	1005.	998.	1008.	1030.	1029.	982.	1008.	990.	958.	964.
1967	982.	976.	945.	972.	956.	953.	1004.	972.	945.	949.	950.	990.
1968	1007.	969.	1018.	977.	969.	972.	1023.	990.	993.	992.	1013.	989.
1969	943.	974.	969.	978.	1059.	1022.	980.	996.	999.	988.	1040.	1076.
1970	1038.	1135.	989.	1004.	972.	961.	960.	989.	984.	1008.	954.	918.

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--MILLFEED PRODUCTION, BY MONTHS

FINAL SEASONALLY ADJUSTED SERIES												(THOUSANDS OF TONS)
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	380.	372.	381.	384.	403.	401.	393.	387.	402.	396.	407.	404.
1960	403.	395.	405.	399.	387.	404.	401.	397.	406.	416.	397.	404.
1961	408.	411.	398.	377.	395.	400.	425.	422.	394.	401.	410.	422.
1962	417.	425.	418.	409.	401.	397.	407.	405.	399.	397.	407.	394.
1963	393.	404.	406.	416.	418.	405.	416.	406.	397.	406.	404.	405.
1964	422.	404.	401.	421.	430.	523.	295.	384.	409.	418.	420.	393.
1965	381.	358.	396.	382.	379.	430.	364.	394.	399.	391.	379.	385.
1966	377.	382.	390.	388.	384.	399.	397.	379.	392.	386.	374.	373.
1967	380.	374.	354.	372.	368.	368.	370.	374.	304.	366.	367.	374.
1968	383.	380.	387.	374.	353.	367.	390.	375.	371.	370.	379.	373.
1969	355.	360.	365.	370.	382.	382.	363.	370.	371.	368.	385.	386.
1970	382.	383.	369.	367.	363.	361.	370.	368.	371.	375.	358.	344.

TABLE 1C.--WHEAT GROUND FOR FLOUR

FINAL SEASONALLY ADJUSTED SERIES

(1,000 BUSHELS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	46349.	45167.	46479.	46949.	49666.	49196.	47706.	45951.	48618.	47516.	49223.	48625.
1960	48579.	47503.	48547.	47856.	46810.	48466.	48086.	47494.	49456.	50776.	48390.	49338.
1961	49458.	50351.	48780.	46217.	48591.	48687.	51454.	50844.	48070.	49020.	49783.	51129.
1962	50859.	51782.	50873.	49653.	48888.	48432.	49609.	49310.	49021.	48846.	49982.	48257.
1963	48702.	49524.	49736.	51314.	51607.	50015.	51364.	49747.	48483.	50141.	49569.	50032.
1964	51799.	49611.	48788.	51446.	52233.	63856.	35467.	46674.	50127.	51274.	50983.	47638.
1965	45778.	43252.	47579.	46123.	45919.	52638.	43930.	48316.	48568.	47861.	46570.	47096.
1966	46480.	46991.	48136.	47893.	47813.	49426.	48193.	47011.	48229.	47286.	45828.	45641.
1967	46730.	46234.	45207.	45899.	45447.	45465.	46716.	46302.	45109.	45449.	45368.	46840.
1968	47989.	47388.	48464.	46735.	45137.	46315.	48058.	47155.	46999.	47952.	48507.	47539.
1969	44946.	45272.	46197.	47134.	49457.	48821.	46064.	47201.	47706.	46284.	49085.	49403.
1970	48807.	51018.	46779.	47443.	47204.	45679.	46633.	47014.	46803.	47085.	45508.	44047.

TABLE 2A.--WHEAT FLOUR PRODUCTION, AVERAGE PER WORKING DAY, 8Y MONTHS

ORIGINAL SERIES

(1,000 CWT SACKS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	1036.	951.	944.	892.	974.	925.	875.	985.	1026.	1027.	1093.	992.
1960	1103.	980.	971.	929.	915.	925.	971.	965.	1038.	1119.	1065.	1038.
1961	1080.	1064.	988.	937.	945.	926.	990.	1035.	1056.	1048.	1092.	1101.
1962	1069.	1087.	1053.	972.	963.	958.	968.	1009.	1119.	1035.	1083.	1029.
1963	1005.	1035.	1062.	980.	1025.	1021.	986.	1040.	1070.	1072.	1111.	1019.
1964	1070.	1060.	999.	1011.	1050.	1230.	650.	992.	1111.	1137.	1116.	959.
1965	991.	891.	968.	900.	966.	1051.	875.	992.	1092.	1096.	997.	922.
1966	944.	965.	985.	969.	966.	999.	985.	957.	1082.	1074.	1006.	974.
1967	966.	951.	925.	961.	898.	915.	954.	952.	1049.	991.	1002.	1037.
1968	979.	970.	1041.	910.	908.	984.	928.	994.	1076.	1022.	1104.	1013.
1969	925.	949.	982.	923.	1010.	988.	891.	1022.	1057.	1016.	1167.	1098.
1970	1046.	1105.	970.	943.	944.	908.	869.	1011.	1055.	1062.	1035.	944.

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 2B.--MILLFEE PRODUCTION, BY MONTHS

ORIGINAL SERIES										(THOUSANDS OF TONS)		
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	404.	355.	385.	363.	378.	380.	377.	393.	413.	430.	412.	417.
1960	418.	390.	426.	372.	365.	387.	371.	422.	412.	440.	418.	406.
1961	422.	393.	418.	346.	386.	380.	390.	451.	398.	431.	430.	413.
1962	440.	405.	430.	379.	396.	375.	378.	433.	396.	443.	421.	380.
1963	411.	382.	410.	398.	414.	377.	398.	425.	400.	458.	412.	393.
1964	434.	390.	406.	411.	411.	507.	283.	390.	435.	462.	416.	396.
1965	373.	333.	414.	369.	360.	428.	342.	404.	426.	424.	384.	388.
1966	364.	354.	411.	371.	370.	399.	363.	401.	416.	412.	385.	373.
1967	372.	346.	372.	345.	365.	365.	335.	398.	382.	394.	378.	371.
1968	387.	366.	390.	355.	351.	352.	369.	391.	379.	411.	386.	374.
1969	362.	335.	364.	356.	373.	365.	345.	377.	387.	407.	385.	402.
1970	383.	357.	372.	352.	347.	353.	350.	373.	393.	407.	361.	361.

TABLE 2C.--WHEAT GROUND FOR FLOUR

ORIGINAL SERIES										(1,000 BUSHELS)		
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	49368.	43239.	47107.	44496.	46333.	46441.	45826.	47263.	49345.	51563.	49930.	49945.
1960	50471.	47038.	51053.	44656.	43850.	46526.	44482.	50810.	49801.	53610.	50837.	49585.
1961	51562.	48251.	51499.	42492.	47199.	46276.	47310.	54454.	48118.	52480.	52250.	50108.
1962	53432.	49417.	52606.	46225.	48021.	45677.	46130.	52865.	48371.	54140.	51743.	46426.
1963	50948.	47017.	50550.	49005.	51105.	46520.	49215.	51990.	48798.	56105.	50558.	48591.
1964	53308.	47878.	49688.	50225.	49908.	61557.	34215.	47324.	52988.	56463.	50765.	47910.
1965	44464.	40248.	50079.	44630.	43473.	52139.	41509.	49302.	51815.	51793.	47175.	47697.
1966	44909.	43495.	50866.	45742.	45542.	49309.	44581.	49482.	51048.	50662.	47259.	45778.
1967	45614.	42748.	47865.	42692.	44422.	44911.	42817.	48928.	47180.	49105.	47016.	46903.
1968	48368.	45637.	49019.	44492.	44374.	44119.	45552.	48950.	48042.	53606.	49523.	47667.
1969	45888.	42038.	46121.	45631.	47623.	46457.	44119.	47974.	49519.	51894.	49344.	51348.
1970	48905.	47424.	47089.	45834.	44500.	44126.	44700.	47440.	49361.	51708.	46161.	46141.

TABLE 3A.--WHEAT FLOUR PRODUCTION, AVERAGE PER WORKING DAY, BY MONTHS

FINAL COMBINED FACTORS
(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

(PERCENT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	108.051	100.884	98.406	91.568	97.549	91.830	92.402	101.888	103.471	104.527	107.592	99.974
1960	109.691	103.123	97.711	94.276	94.339	92.857	97.035	97.608	102.324	106.291	106.847	101.908
1961	104.954	100.983	97.612	97.043	93.590	91.915	96.768	98.006	106.480	103.565	106.433	103.517
1962	102.214	100.686	99.894	93.906	94.661	95.598	93.546	98.005	109.614	102.900	104.976	102.093
1963	100.958	100.091	102.180	92.809	95.056	98.601	92.120	100.297	106.893	104.107	108.310	98.010
1964	99.086	105.611	98.506	94.442	100.019	94.180	92.009	101.990	107.343	106.943	105.794	96.924
1965	102.797	98.208	97.510	93.879	99.328	96.520	94.054	98.406	108.118	109.486	103.480	97.219
1966	101.581	97.613	98.006	97.123	95.827	97.019	95.697	97.412	107.333	108.442	105.059	101.002
1967	98.406	97.415	97.907	98.913	93.884	96.040	95.027	97.908	110.955	104.458	105.442	104.752
1968	97.216	100.073	102.283	93.103	93.680	101.199	90.748	100.398	108.391	103.025	109.022	102.474
1969	98.103	97.415	101.376	94.335	95.363	96.703	90.922	102.591	105.830	102.822	112.212	102.018
1970	100.880	97.316	98.109	93.947	97.138	94.473	90.534	102.195	107.244	105.332	108.491	102.828

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY, ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1971	103.106	97.316	96.922	93.094	96.461	95.626	92.644	99.101	106.929	107.633	106.613	-

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 3B.--MILLFEED PRODUCTION, BY MONTHS

FINAL COMBINED FACTORS
(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

(PERCENT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	106.412	95.433	101.159	94.581	93.685	94.783	95.974	101.678	102.612	108.717	101.125	103.118
1960	103.692	98.617	105.164	93.307	94.264	95.903	92.410	106.276	101.405	105.668	105.264	100.601
1961	103.425	95.532	104.959	91.747	97.734	95.054	91.851	106.903	100.899	107.463	104.853	97.904
1962	105.463	95.235	102.905	92.714	98.719	94.505	92.885	106.797	99.157	111.463	103.421	96.522
1963	104.653	94.640	100.945	95.786	98.935	93.015	95.700	104.609	100.734	112.735	101.898	97.121
1964	102.815	96.594	101.258	97.530	95.549	96.890	95.872	101.884	106.284	110.621	99.071	100.663
1965	98.002	92.956	104.649	96.667	94.965	99.552	93.887	102.440	106.887	108.400	101.303	100.875
1966	96.619	92.559	105.267	95.504	96.234	99.971	91.527	105.768	106.142	106.835	103.020	100.100
1967	97.810	92.559	105.061	92.722	99.157	99.187	90.586	106.290	104.895	107.562	103.124	99.081
1968	101.090	96.408	100.749	94.984	99.547	95.842	94.581	104.308	102.201	111.098	101.898	100.371
1969	101.998	93.055	99.732	96.288	97.695	95.648	95.037	102.024	104.312	110.676	100.035	104.039
1970	100.300	93.253	100.864	95.801	95.647	97.792	94.647	101.289	105.478	108.517	100.734	104.857

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY, ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1971	98.296	93.253	104.141	94.853	94.867	99.246	92.685	102.538	105.565	106.242	103.510	-

TABLE 3C.--WHEAT GROUND FOR FLOUR

FINAL COMBINED FACTORS
(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

(PERCENT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	100.513	95.731	101.352	94.776	93.290	94.400	96.060	102.854	101.495	108.517	101.435	102.714
1960	103.896	99.021	105.162	93.313	93.677	95.997	92.504	106.981	100.698	105.582	105.058	100.501
1961	103.418	95.830	105.574	91.939	97.135	95.048	91.946	107.100	100.099	107.059	104.956	98.004
1962	105.255	95.433	103.406	93.097	98.226	94.311	92.988	107.210	98.674	110.838	103.523	96.621
1963	104.244	94.938	101.637	95.500	99.026	93.013	95.816	104.509	100.651	111.894	101.996	97.121
1964	102.914	96.506	101.844	97.626	95.549	96.400	96.469	101.393	105.668	110.120	99.571	100.572
1965	98.004	93.055	105.255	96.763	94.673	99.051	94.489	102.041	106.686	108.216	101.300	101.277
1966	96.621	92.559	105.672	95.509	95.251	99.764	92.504	105.255	105.844	107.140	103.123	100.300
1967	97.613	92.460	105.880	93.013	97.744	98.781	91.653	105.672	104.590	108.043	103.632	99.280
1968	100.789	98.305	101.146	95.200	98.310	95.258	95.410	103.807	102.220	111.792	102.095	100.270
1969	102.095	92.857	99.835	96.812	96.292	95.157	95.778	101.637	103.800	112.121	106.528	103.936
1970	100.200	92.956	100.663	96.608	94.272	96.600	95.855	100.906	105.465	109.819	101.435	104.754

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY, ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1971	98.298	93.055	103.733	95.754	93.504	98.237	93.787	101.942	105.465	107.627	103.700	-

Table 4.--AVERAGE PERCENTAGE CHANGES AND RELATED MEASURES FOR SERIES COMPONENTS

Item	Average percentage changes			Ratio of irregular component to cyclical component (I/C)	Number of months for cyclical dominance (MCD)	I/C for MCD span	Average Duration of Run			
	Seasonally adjusted series (CI)	Irregular component (I)	Cyclical component (C)				CI	I	C	MCD
Production										
Wheat flour production (daily average).....	3.61	3.55	.31	11.33	6	2.19	1.63	1.67	8.88	2.32
Wheat flour production (monthly total).....	3.29	3.20	.55	5.80	6	1.31	1.80	1.75	6.17	2.63
Mill feed production....	3.13	3.09	.29	10.60	6	2.07	1.84	1.75	7.89	2.98
Wheat grindings.....	3.29	3.26	.32	10.21	6	2.05	1.75	1.71	8.88	2.63

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

January 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: February 26, 1971

SERIES: M20A(71)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
January.....	1,042	20,831	359,777	46,279	(NA)	996	104.6	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,300	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,694	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,619	4,394	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	(NA)	1,002	94.7	75.2
January.....	925	20,342	362,399	45,888	(NA)	1,002	92.3	73.8

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census. Price: 15 cents per copy—\$1.50 per year.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JANUARY 1971 QUANTITY	DECEMBER 1970 QUANTITY	JANUARY 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 397	1 216	1 357
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 038	2 610	2 998
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	222	208	221
0011351	RYE GROUND FOR FLOUR	M BU	490	498	497
2041618	RYE MILLFEED PRODUCTION	TONS	2 661	2 511	2 738
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	44	(NA)
	24 HOUR CAPACITY (1)	DO	15	15	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JANUARY 1971 QUANTITY PRODUCED	DECEMBER 1970 QUANTITY PRODUCED	JANUARY 1970 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 831	20 754	21 960
MIDDLE ATLANTIC	2 664	2 829	2 672
NEW YORK	2 334	2 453	2 304
NORTH CENTRAL	12 138	11 969	12 941
OHIO	1 005	1 024	1 107
INDIANA	536	495	594
ILLINOIS	1 208	1 157	1 261
MICHIGAN	561	551	628
MINNESOTA	2 299	2 236	2 457
IOWA	434	479	456
MISSOURI	1 952	2 051	2 016
NEBRASKA	701	705	659
KANSAS	3 058	2 917	3 158
SOUTH ATLANTIC	768	749	685
EAST SOUTH CENTRAL	912	914	1 016
TENNESSEE	674	680	780
WEST SOUTH CENTRAL	1 232	1 184	1 292
OKLAHOMA	387	285	393
TEXAS	845	899	899
MOUNTAIN	1 105	1 083	1 294
MONTANA	278	286	297
UTAH	(D)	(D)	(D)
PACIFIC	2 012	2 026	2 060
WASHINGTON	615	606	681
OREGON	477	454	529
CALIFORNIA AND HAWAII	920	966	850

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

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Flour Milling Products

February 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: March 30, 1971

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The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 3.

Table 1. Summary of Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity ²	Flour extraction rate ² percent
	Average per working day ¹	Calendar month total						
1971								
February.....	988	19,769	345,333	44,073	NA	996	100.0	74.8
January.....	1,045	20,894	361,329	46,405	NA	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,140	NA	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	NA	1,003	94.1	75.0
March.....	970	21,347	372,048	47,089	1,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	NA	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	NA	1,013	103.2	71.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.1	74.8
November.....	1,167	22,170	385,139	49,344	NA	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,155	376,985	47,974	NA	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	NA	1,006	88.6	74.0
June.....	988	20,758	361,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	NA	1,003	100.7	74.2
April.....	923	20,307	356,155	45,631	NA	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,189	1,003	97.9	74.5
February.....	949	18,974	335,145	42,038	NA	1,002	94.7	75.2

Note: Data include estimates for small mills.

NA Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1971 QUANTITY	JANUARY 1971 QUANTITY	FEBRUARY 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 354	1 397	1 303
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 915	3 038	2 935
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	206	207	213
0011351	RYE GROUND FOR FLOUR	M BU	440	457	510
2041618	RYE MILLFEED PRODUCTION	TONS	2 342	2 221	3 180
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	15	15	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

^rRevised by 5 percent or more from previously published figures.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1971 QUANTITY PRODUCED	JANUARY 1971 QUANTITY PRODUCED	FEBRUARY 1970 QUANTITY PRODUCED
UNITED STATES: TOTAL	19 769	20 894	21 015
MIDDLE ATLANTIC	2 482	2 616	2 655
NEW YORK	2 118	2 286	2 304
NORTH CENTRAL	11 264	12 125	12 304
OHIO	1 126	1 005	1 194
INDIANA	468	536	531
ILLINOIS	1 135	1 206	1 182
MICHIGAN	520	561	606
MINNESOTA	2 220	2 288	2 281
IOWA	436	434	445
MISSOURI	1 803	1 952	1 881
NEBRASKA	717	701	692
KANSAS	2 490	3 058	2 938
SOUTH ATLANTIC	906	888	693
EAST SOUTH CENTRAL	889	916	948
TENNESSEE	670	678	725
WEST SOUTH CENTRAL	1 202	1 232	1 245
OKLAHOMA	302	387	369
TEXAS	900	845	876
MOUNTAIN	1 052	1 105	1 204
MONTANA	272	278	290
UTAH	(D)	(D)	(D)
PACIFIC	1 974	2 017	1 966
WASHINGTON	676	615	676
OREGON	421	477	496
CALIFORNIA AND HAWAII	877	920	794

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

^rRevised by 5 percent or more from previously published figures.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data are not adjusted for seasonal variation or number of working days.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

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M20A(71)-3

March 1971

Flour Milling Products

March 1971



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: May 4, 1971

SERIES: M20A(71)-3

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.-Summary of Seasonally Adjusted Wheat Flour Milling:
1969 to 1971

Month and year	Wheat flour production average per working day ² (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
March.....	945	349	45,098
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ¹			
December.....	918	344	44,047
November.....	954	358	45,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ¹			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201
July.....	980	363	46,064
June.....	1,022	382	48,821
May.....	1,059	382	49,457
April.....	978	370	47,134
March.....	969	365	46,197
February.....	974	360	45,272
January.....	943	355	44,946

¹Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Table 1B--Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
March.....	916	21,059	363,305	46,781	4,732	1,002	91.4	75.0
February.....	988	19,761	344,821	44,038	(NA)	996	99.2	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1
March.....	982	20,625	363,593	46,121	4,489	1,003	97.9	74.5

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MARCH 1971 QUANTITY	FEBRUARY 1971 QUANTITY	MARCH 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 439	1 354	1 413
2041155	BLENDED SEMOLINA DURUM FLOUR	OO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 100	2 915	2 885
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	189	206	186
0011351	RYE GROUND FOR FLOUR	M BU	422	440	422
2041618	RYE MILLFEED PRODUCTION	TONS	2 431	2 342	2 641
2041611	RYE FLOUR STOCKS (1)	M CWT	49	(NA)	45
	24 HOUR CAPACITY (1)	DO	11	13	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

Revised by 5 percent or more from previously published figures.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CNT.)

GEOGRAPHIC AREA	MARCH 1971 QUANTITY PRODUCED	FEBRUARY 1971 QUANTITY PRODUCED	MARCH 1970 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 059	19 761	21 347
MIDDLE ATLANTIC	2 541	2 482	2 538
NEW YORK	2 172	2 118	2 254
NORTH CENTRAL	12 141	11 262	12 561
OHIO	1 188	1 132	1 174
INDIANA	536	468	581
ILLINOIS	1 250	1 127	1 082
MICHIGAN	659	520	630
MINNESOTA	2 490	2 220	2 326
IDAHO	456	436	473
MISSOURI	1 871	1 803	1 912
NEBRASKA	681	717	672
KANSAS	2 659	2 490	3 135
SOUTH ATLANTIC	923	906	712
EAST SOUTH CENTRAL	971	889	937
TENNESSEE	720	670	732
WEST SOUTH CENTRAL	1 137	1 196	1 261
OKLAHOMA	329	302	414
TEXAS	808	894	847
MOUNTAIN	1 111	1 052	1 205
MONTANA	285	272	284
UTAH	(D)	(D)	(D)
PACIFIC	2 235	1 974	2 083
WASHINGTON	793	676	687
OREGON	497	421	494
CALIFORNIA AND HAWAII	945	877	902

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



Flour Milling Products

April 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: June 4, 1971

SERIES: M20A(71)-4

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.—Summary of Seasonally Adjusted Wheat Flour Milling:
1969 to 1971

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
April.....	959	353	45,450
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	45,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,064	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201
July.....	980	363	46,064
June.....	1,022	382	48,821
May.....	1,059	382	49,457
April.....	978	370	47,134

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1971								
April.....	893	19,655	334,706	43,520	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	(NA)	996	99.2	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2
April.....	923	20,307	356,455	45,631	(NA)	1,003	92.0	74.1

Note: Data include estimates for small mills.

¹(NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1971	MARCH 1971	APRIL 1970
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 114	1 429	1 186
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
20411373	DURUM WHEAT GROUND	M BU	2 806	3 076	2 525
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	179	189	153
2041651	RYE GROUND FOR FLOUR	M BU	398	422	343
2041618	RYE MILLFEED PRODUCTION	TONS	2 161	2 451	2 060
2041611	RYE FLOUR STOCKS (1)	M CWT	41	70	45
	24 HOUR CAPACITY (1)	DO	10	11	14

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

1 Revised by 5 percent or more from previously published figures.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1971	MARCH 1971	APRIL 1970
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	20 755	21 004	20 756
MIDDLE ATLANTIC	2 337	2 549	2 436
NEW YORK	2 006	2 172	2 086
NORTH CENTRAL	11 504	12 084	12 415
OHIO	989	1 188	1 276
INDIANA	551	516	553
ILLINOIS	1 054	1 231	963
MICHIGAN	572	631	619
MINNESOTA	2 211	2 480	2 354
IOWA	426	456	489
MISSOURI	1 841	1 871	1 841
NEBRASKA	662	681	651
KANSAS	2 898	2 659	3 139
SOUTH ATLANTIC	915	923	737
EAST SOUTH CENTRAL	910	945	923
TENNESSEE	676	714	707
WEST SOUTH CENTRAL	980	1 117	1 304
OKLAHOMA	325	329	402
TEXAS	655	808	902
MOUNTAIN	2 141	1 111	1 106
MONTANA	1 372	285	249
UTAH	(0)	(0)	(0)
PACIFIC	1 968	2 235	1 875
WASHINGTON	588	723	629
OREGON	513	407	309
CALIFORNIA AND HAWAII	848	945	913

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



Flour Milling Products

May 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: June 24, 1971

SERIES: M20A(71)-5

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.--Summary of Seasonally Adjusted Wheat Flour Milling:
1969 to 1971

Month and year	Wheat flour production average per working day ¹ (1,000 cwt.)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels ¹)
1971			
May.....	1,055	369	48,392
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	45,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201
July.....	980	363	46,064
June.....	1,022	382	48,821
May.....	1,059	382	49,457

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.-Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
May.....	1,018	20,355	349,832	45,248	(NA)	1,002	92.3	75.0
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	(NA)	996	99.2	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	(NA)	1,006	88.6	74.0
June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4
May.....	1,010	21,217	372,767	47,623	(NA)	1,003	100.7	74.2

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION; GRAIN CONSUMPTION;
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1971 QUANTITY	APRIL 1971 QUANTITY	MAY 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 061	1 114	1 156
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	2 217	2 406	2 497
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	193	179	186
0011351	RYE GROUND FOR FLOUR	M BU	426	398	408
2041618	RYE MILLFEED PRODUCTION	TONS	2 303	2 161	2 310
2041611	RYE FLOUR STOCKS (1)	M CWT	40	40	25
	24 HOUR CAPACITY (1)	DO	10	10	13

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1971 QUANTITY PRODUCED	APRIL 1971 QUANTITY PRODUCED	MAY 1970 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 355	19 662	19 826
MIDDLE ATLANTIC	2 333	2 337	2 462
NEW YORK	2 011	2 006	2 125
NORTH CENTRAL	12 197	11 505	11 817
OHIO	1 014	989	927
INDIANA	524	551	507
ILLINOIS	1 086	1 054	977
MICHIGAN	507	573	552
MINNESOTA	2 399	2 211	2 347
IOWA	450	426	467
MISSOURI	2 065	1 841	1 866
NEBRASKA	614	662	668
KANSAS	3 280	2 898	3 007
SOUTH ATLANTIC	902	915	681
EAST SOUTH CENTRAL	847	916	943
TENNESSEE	616	682	691
WEST SOUTH CENTRAL	1 017	980	1 251
OKLAHOMA	220	325	352
TEXAS	797	655	899
MOUNTAIN	1 032	1 041	963
MONTANA	240	272	221
UTAH	(0)	(0)	(0)
PACIFIC	2 027	1 968	1 709
WASHINGTON	573	588	571
OREGON	577	532	350
CALIFORNIA AND HAWAII	877	848	788

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



Flour Milling Products

June 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

FOR RELEASE: July 29, 1971

SERIES: M20A(71)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.--Summary of Seasonally Adjusted Wheat Flour Milling:
1969 to 1971

Month and year	Wheat flour production average per working day ¹ 1,000 cwt	Millfeed production 1,000 tons	Wheat ground for flour 1,000 bushels
1971			
June.....	998	369	47,464
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	45,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
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April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
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October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201
July.....	980	363	46,064
June.....	1,022	382	48,821

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B. Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.)	Daily 24-hour capacity in wheat flour ² 1,000 cwt.)	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
June.....	954	20,987	365,956	46,627	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA	996	99.2	74.8
January.....	1,045	20,894	361,329	46,405	NA	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,138	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	NA	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	NA	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
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January.....	1,046	21,960	383,457	48,905	NA	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	NA	1,007	115.8	74.9
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September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	NA	1,006	88.6	74.7
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June.....	988	20,758	364,574	46,457	4,324	1,006	98.2	74.4

Note: Data include estimates for small mills.

NA Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1971	MAY 1971	JUNE 1970
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 012	1 041	1 086
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 149	2 237	2 336
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	174	193	181
0011351	RYE GROUND FOR FLOUR	M BU	395	426	408
2041618	RYE MILLFEED PRODUCTION	TONS	2 302	2 303	2 598
2041611	RYE FLOUR STOCKS (1)	M CWT	30	40	25
	24 HOUR CAPACITY (1)	DO	10	10	13

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JUNE 1971	MAY 1971	JUNE 1970
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	20 987	20 216	19 982
MIDDLE ATLANTIC	2 731	2 332	2 570
NEW YORK	2 410	2 011	2 232
NORTH CENTRAL	11 096	12 200	11 650
OHIO	937	1 010	1 020
INDIANA	521	524	501
ILLINOIS	1 191	1 086	1 057
MICHIGAN	627	507	677
MINNESOTA	2 296	2 399	2 258
IOWA	477	450	473
MISSOURI	1 959	2 065	1 841
NEBRASKA	664	614	667
KANSAS	3 074	3 287	2 657
SOUTH ATLANTIC	926	902	716
EAST SOUTH CENTRAL	971	837	963
TENNESSEE	731	606	741
WEST SOUTH CENTRAL	1 137	1 028	1 127
OKLAHOMA	293	220	328
TEXAS	844	808	799
MOUNTAIN	1 178	1 032	1 110
MONTANA	278	240	233
UTAH	(D)	(D)	(D)
PACIFIC	2 048	1 885	1 846
WASHINGTON	709	573	584
OREGON	467	471	395
CALIFORNIA AND HAWAII	872	841	867

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

² Revised by 5 percent or more from previously published data.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

3.158;
1430A(71)-7.

Flour Milling Products

July 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: September 8, 1971

SERIES: M20A(71)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.-Summary of Seasonally Adjusted Wheat Flour Milling:
1969 to 1971

Month and year	Wheat flour production average per working day ¹ 1,000 cwt	Millfeed production 1,000 tons	Wheat ground for flour 1,000 bushels
1971			
July.....	992	376	48,141
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	45,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
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April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201
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¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.—Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production 1,000 cwt.		Millfeed production (tons)	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ³ 1,000 cwt.	Wheat flour produced as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
July.....	919	20,216	348,585	45,150	NA	1,001	91.8	74.6
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
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March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA	996	99.2	74.8
January.....	1,045	20,894	361,329	46,405	NA	996	100.0	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	996	94.7	75.0
November.....	1,035	20,767	361,196	46,161	NA	1,013	102.3	74.8
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January.....	1,046	21,960	383,457	48,905	NA	1,013	103.2	74.8
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November.....	1,167	22,170	385,439	49,344	NA	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	NA	1,006	88.6	74.7
July.....	891	19,620	344,587	44,119	NA	1,006	88.6	74.0

Note. Data include estimates for small mills.

NA Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1971 QUANTITY	JUNE 1971 QUANTITY	JULY 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 050	1 012	1 056
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 311	2 149	2 326
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	204	174	173
0011351	RYE GROUND FOR FLOUR	M BU	463	395	390
2041618	RYE MILLFEED PRODUCTION	TONS	2 557	2 302	2 387
2041611	RYE FLOUR STOCKS (1)	M CWT	39	30	(NA)
	24 HOUR CAPACITY (1)	DO	10	10	13

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1971 QUANTITY PRODUCED	JUNE 1971 QUANTITY PRODUCED	JULY 1970 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 216	20 994	19 991
MIDDLE ATLANTIC	2 534	2 731	2 723
NEW YORK	2 202	2 410	2 409
NORTH CENTRAL	12 037	11 982	11 655
OHIO	1 120	937	1 127
INDIANA	545	521	492
ILLINOIS	1 136	1 184	870
MICHIGAN	566	620	593
MINNESOTA	2 515	2 296	2 154
IOWA	469	477	489
MISSOURI	1 858	1 959	1 843
NEBRASKA	661	664	689
KANSAS	2 867	3 074	3 051
SOUTH ATLANTIC	952	943	708
EAST SOUTH CENTRAL	866	975	977
TENNESSEE	635	735	750
WEST SOUTH CENTRAL	1 182	1 137	1 015
OKLAHOMA	354	293	273
TEXAS	828	844	742
MOUNTAIN	949	1 178	955
MONTANA	238	278	256
UTAH	(D)	(D)	(D)
PACIFIC	1 696	2 048	1 953
WASHINGTON	503	709	621
OREGON	351	467	474
CALIFORNIA AND HAWAII	842	872	858

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



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Flour Milling Products

August 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



FOR RELEASE: September 24, 1971

SERIES: M20A(71)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 4.

Table 1A.--Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
August.....	1,014	371	48,297
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706
August.....	996	370	47,201

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produces as percent of capacity ³	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1971								
August.....	1,005	22,111	380,486	49,235	(NA)	1,001	100.4	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.6
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7
August.....	1,022	21,455	376,985	47,974	(NA)	1,006	88.6	74.7

Note: Data include estimates for small mills.

¹Revised. (NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1971 QUANTITY	JULY 1971 QUANTITY	AUGUST 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 362	1 050	1 400
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 931	2 311	3 059
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	190	204	291
0011351	RYE GROUND FOR FLOUR	M BU	434	463	645
2041618	RYE MILLFEED PRODUCTION	TONS	2 424	2 557	3 453
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	30	(NA)
	24 HOUR CAPACITY (1)	DO	10	10	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

[†]REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUB-
LISHED FIGURES.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1+000 CWT.)

GEOGRAPHIC AREA	AUGUST 1971 QUANTITY PRODUCED	JULY 1971 QUANTITY PRODUCED	AUGUST 1970 QUANTITY PRODUCED
UNITED STATES: TOTAL	22 111	20 225	21 233
MIDDLE ATLANTIC	2 907	2 534	2 816
NEW YORK	2 545	2 202	2 444
NORTH CENTRAL	13 044	12 076	12 372
OHIO	1 131	1 122	1 027
INDIANA	600	580	548
ILLINOIS	1 233	1 136	1 057
MICHIGAN	616	566	608
MINNESOTA	2 705	2 515	2 327
IOWA	480	469	509
MISSOURI	2 107	1 858	2 073
NEBRASKA	700	661	597
KANSAS	3 112	2 869	3 282
SOUTH ATLANTIC	963	933	727
EAST SOUTH CENTRAL	958	866	1 000
TENNESSEE	708	635	761
WEST SOUTH CENTRAL	1 318	1 171	1 252
OKLAHOMA	389	354	309
TEXAS	929	817	943
MOUNTAIN	1 138	949	978
MONTANA	252	238	212
UTAH	(D)	(D)	(D)
PACIFIC	1 783	1 696	2 088
WASHINGTON	501	503	658
OREGON	394	351	483
CALIFORNIA AND HAWAII	888	842	907

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



CURRENT INDUSTRIAL REPORTS

Flour Milling Products

September 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



November 1971

SERIES: M20A(71)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ 1,000 cwt	Milled production 1,000 tons	Wheat ground for flour 1,000 bushels
1971			
September.....	986	358	46,725
August.....	1,016	368	48,462
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284
September.....	999	371	47,706

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.--Summary of Wheat Flour Milling: 1969 to 1971

Unadjusted¹

Month and year	Wheat flour production 1,000 cwt. ¹		Milled production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ percent
	Average per working day ¹	Calendar month total						
1971								
September.....	1,054	22,130	377,559	49,279	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	NA	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	NA	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA	r 988	r 100.0	74.8
January.....	1,045	20,894	361,329	46,405	NA	r 988	r 105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	r 988	r 95.5	75.0
November.....	1,035	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
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November.....	1,167	22,170	385,439	49,344	NA	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	NA	1,007	100.9	75.0
September.....	1,057	22,201	386,521	49,519	4,391	1,006	101.5	74.7

Note: Data include estimates for small mills.

¹Revised. (NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1971 QUANTITY	AUGUST 1971 QUANTITY	SEPTEMBER 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 367	1 347	1 314
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(n)	(D)	(o)
0011373	DURUM WHEAT GROUND	M BU	2 920	2 899	2 836
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	208	194	203
0011351	RYE GROUND FOR FLOUR	M BU	473	484	467
2041618	RYE MILLFEED PRODUCTION	TONS	3 326	2 517	2 724
2041611	RYE FLOUR STOCKS (1)	M CWT	34	27	29
	24 HOUR CAPACITY (1)	DO	12 488	10 382	14

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*REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUB-
LISHED FIGURES.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

	SEPTEMBER 1971 QUANTITY PRODUCED	AUGUST 1971 QUANTITY PRODUCED	SEPTEMBER 1970 QUANTITY PRODUCED
UNITED STATES: TOTAL	22 130	22 164	22 154
MIDDLE ATLANTIC	2 931	2 935	2 870
NEW YORK	2 550	2 532	2 468
NORTH CENTRAL	13 132	13 046	12 774
OHIO	1 202	1 131	1 076
INDIANA	560	569	567
ILLINOIS	1 342	1 212	1 319
MICHIGAN	405	623	568
MINNESOTA	2 721	2 721	2 322
LOWA	468	480	503
MISSOURI	2 065	2 111	2 218
NEBRASKA	699	700	676
KANSAS	3 019	3 109	3 164
SOUTH ATLANTIC	915	969	759
EAST SOUTH CENTRAL	971	979	1 022
TENNESSEE	748	729	761
WEST SOUTH CENTRAL	1 221	1 314	1 406
OKLAHOMA	314	385	408
TEXAS	907	926	998
MOUNTAIN	1 173	1 138	1 065
MONTANA	266	252	196
UTAH	569	(D)	(D)
PACIFIC	1 787	1 782	2 231
WASHINGTON	573	507	661
OREGON	377	386	448
CALIFORNIA AND HAWAII	837	889	1 004

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ROUNDING.

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VIVIDUAL COMPANIES.

Table 4.--Exports of Wheat Flour

(1,000 cwt)

Country to which exported	September	August	9 months through September
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY			
TOTAL.....	386	298	2,813
Colombia.....	39	20	206
Brazil.....	13	58	190
Morocco.....	224	2	958
Other.....	110	218	1,459
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURHAM FLOUR AND SEMOLINA			
TOTAL.....	1,177	1,373	13,680
Brazil.....	34	-	197
South Arabia.....	176	124	1,402
Ceylon.....	187	609	2,080
Indonesia.....	402	287	3,788
Korean Republic.....	33	32	854
Tunisia.....	12	-	101
Guinea.....	143	13	226
Congo.....	13	9	396
Other.....	177	299	4,636

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durham flour and semolina).

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

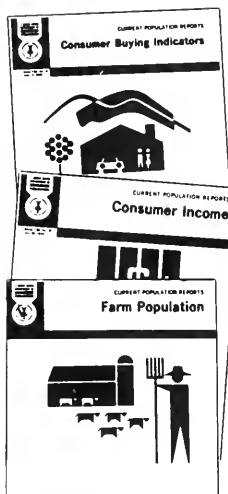
Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

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CURRENT POPULATION REPORTS

In addition to the findings of the Census of Population, conducted every ten years, the Bureau of the Census publishes continuing and up-to-date statistics on population counts, characteristics, and other special studies on the American people. Data are issued in the eight separate series of reports described herein and released under the general title, Current Population Reports.

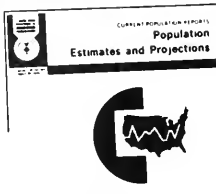


P-20 POPULATION CHARACTERISTICS.

Current national and, in some cases, regional data on geographic residence and mobility, fertility, education, school enrollment, marital status, numbers and characteristics of household and families, etc. Approximately ten reports each year.

P-23 SPECIAL STUDIES.

Infrequent reports on methods, concepts, or specialized data.



P-25 POPULATION ESTIMATES AND PROJECTIONS.

Monthly estimates of the total population of the United States; annual mid-year estimates of the population of States, by broad age groups, and of the United States by age, color, and sex; annual estimates of the components of population change. Estimates of the population selected metropolitan areas and their component counties. Projections of the future population of the United States and individual States. Approximately 20 reports each year.

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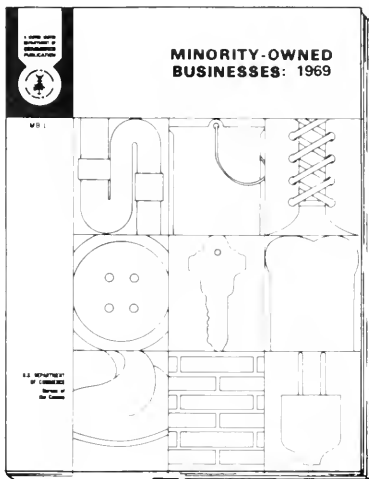
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C3.186: (Nos.)

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

From the Bureau of the Census

Bureau of
the Census

The report covers the industrial activity, geographic location, employment, receipts, and legal form of organization of minority-owned enterprises in total, and of each principal minority group. The report will be especially valuable in permitting objective analysis of various government programs concerned with fostering minority growth.

City, State, and ZIP Code _____

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

Washington, D.C. 20233

OFFICIAL BUSINESS



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE



Flour Milling Products

October 1971



U.S. DEPARTMENT OF COMMERCE / Bureau of the Census

December 1971

SERIES: M20A(71)-10

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A--Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ 1,000 cwt	Millfeed production 1,000 tons	Wheat ground for flour 1,000 bushels ²
1971			
October.....	960	345	44,724
September.....	986	358	46,746
August.....	1,016	368	48,462
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085
October.....	988	368	46,284

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1969 to 1971

Unadjusted

Month and year	Wheat flour production 1,000 cwt. ¹		Milled production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ percent
	Average per working day ¹	Calendar month total						
1971								
October.....	1,033	21,697	367,017	48,135	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	1,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	(NA)	1,007	115.8	74.9
October.....	1,016	23,357	407,352	51,894	(NA)	1,007	100.9	75.0

Note: Data include estimates for small mills.

¹Revised. (NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	OCTOBER 1971 QUANTITY	SEPTEMBER 1971 QUANTITY	OCTOBER 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 363	1 367	1 169
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	2 908	2 920	2 551
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	213	208	206
0011351	RYE GROUND FOR FLOUR	M BU	477	473	459
2041613	RYE MILLFEED PRODUCTION	TONS	3 028	3 942	2 456
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	28	(NA)
	24 HOUR CAPACITY (1)	DO	12	12	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIV-
IDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY
PUBLISHED FIGURES.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	OCTOBER 1971 QUANTITY PRODUCED	SEPTEMBER 1971 QUANTITY PRODUCED	OCTOBER 1970 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 697	22 137	23 364
MIDDLE ATLANTIC	2 833	2 931	3 029
NEW YORK	2 495	2 550	2 663
NORTH CENTRAL	12 877	13 151	13 580
OHIO	1 220	1 202	1 086
INDIANA	636	560	645
ILLINOIS	1 205	1 342	1 370
MICHIGAN	637	629	651
MINNESOTA	2 642	2 721	2 553
IOWA	510	409	524
MISSOURI	1 936	2 095	2 239
NEBRASKA	722	699	684
KANSAS	3 016	3 019	3 407
SOUTH ATLANTIC	941	915	936
EAST SOUTH CENTRAL	648	673	1 005
TENNESSEE	711	750	761
WEST SOUTH CENTRAL	1 076	1 207	1 401
OKLAHOMA	308	314	432
TEXAS	771	863	969
MOUNTAIN	1 091	1 173	1 098
MONTANA	240	266	195
UTAH	(0)	(0)	(0)
PACIFIC	1 930	1 787	2 115
WASHINGTON	580	533	786
OREGON	440	337	607
CALIFORNIA AND HAWAII	910	917	922

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIV-
IDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	October	September	10 months through September
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY			
TOTAL.....	427	386	3,240
Colombia.....	30	39	236
Brazil.....	5	13	195
Morocco.....	124	224	1,082
Other.....	268	110	1,727
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURHAM FLOUR AND SEMOLINA			
TOTAL.....	981	1,177	14,661
Brazil.....	5	34	202
South Arabia.....	196	176	1,598
Ceylon.....	-	187	2,080
Indonesia.....	-	402	3,788
Korean Republic.....	31	33	885
Tunisia.....	90	12	191
Guinea.....	8	143	234
Congo.....	-	13	396
Other.....	651	177	5,287

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durham flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

November 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



January 1972

SERIES: M20A(71)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A - Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
November.....	898	327	42,931
October.....	960	345	44,733
September.....	986	358	46,746
August.....	1,016	368	48,462
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,208
1970 ²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,143
March.....	989	364	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403
November.....	1,040	385	49,085

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy \$1.50 per year.

U.S. DEPARTMENT OF COMMERCE
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OFFICIAL BUSINESS

POSTAGE AND FEES PAID
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Flour Milling Products

November 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



January 1972

SERIES: M20A(71)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ [1,000 cwt]	Millfeed production [1,000 tons]	Wheat ground for flour [1,000 bushels]
1971			
November.....	898	327	42,931
October.....	960	345	44,753
September.....	986	358	46,746
August.....	1,016	368	48,462
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,155
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,308
1970²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,085
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,201
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969²			
December.....	1,076	386	49,303
November.....	1,040	385	49,085

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B - Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1971								
November.....	957	20,092	338,304	44,519	NA	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	NA	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	NA	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	NA	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA	988	100.0	74.8
January.....	1,045	20,891	361,329	46,405	NA	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	NA	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	NA	1,003	94.1	75.5
March.....	970	21,347	372,648	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	NA	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	NA	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8
November.....	1,167	22,170	385,439	49,344	NA	1,007	115.8	74.9

Note: Data include estimates for small mills.

¹(NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1971 QUANTITY	OCTOBER 1971 QUANTITY	NOVEMBER 1970 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 374	1 363	1 157
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 652	2 908	2 491
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	199	213	185
0011351	RYE GROUND FOR FLOUR	M BU	438	477	420
2041618	RYE MILLFEED PRODUCTION	TONS	2 695	3 028	2 312
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	12	12	14

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1971 QUANTITY PRODUCED	OCTOBER 1971 QUANTITY PRODUCED	NOVEMBER 1970 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 092	21 702	20 707
MIDDLE ATLANTIC	2 805	2 833	2 634
NEW YORK	2 403	2 495	2 303
NORTH CENTRAL	11 658	12 888	12 125
OHIO	1 054	1 214	1 065
INDIANA	565	636	542
ILLINOIS	1 076	1 224	1 113
MICHIGAN	591	637	592
MINNESOTA	2 490	2 642	2 195
IOWA	456	510	462
MISSOURI	1 882	1 936	1 984
NEBRASKA	683	722	716
KANSAS	2 530	3 016	3 083
SOUTH ATLANTIC	921	939	717
EAST SOUTH CENTRAL	927	948	896
TENNESSEE	709	711	662
WEST SOUTH CENTRAL	915	1 073	1 285
OKLAHOMA	229	308	377
TEXAS	686	765	908
MOUNTAIN	1 040	1 091	1 135
MONTANA	244	239	277
UTAH	(D)	(D)	(D)
PACIFIC	1 826	1 930	1 915
WASHINGTON	563	580	584
OREGON	385	440	472
CALIFORNIA AND HAWAII	878	910	855

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)			
Country to which exported	November	October	11 months through November
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY			
TOTAL.....	263	427	3,503
Colombia.....	9	30	245
Brazil.....	30	5	220
Morocco.....	67	124	1,149
Other.....	157	268	1,889
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURHAM FLOUR AND SEMOLINA			
TOTAL.....	908	981	15,569
Brazil.....	-	5	202
South Arabia.....	112	196	1,710
Ceylon.....	-	-	2,080
Indonesia.....	131	-	3,919
Korean Republic.....	84	31	969
Tunisia.....	-	90	191
Guinea.....	130	8	364
Congo.....	-	-	396
Other.....	451	651	5,738

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durham flour and semolina).

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associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

December 1971

U.S. DEPARTMENT OF COMMERCE / Bureau of the Census



February 1972

SERIES: M20A(71)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.-Summary of Seasonally Adjusted
Wheat Flour Milling: 1969 to 1971

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
December.....	886	335	44,165
November.....	898	326	42,905
October.....	960	345	44,753
September.....	986	358	46,746
August.....	1,016	368	48,462
July.....	992	376	48,156
June.....	998	369	47,495
May.....	1,048	365	48,094
April.....	960	353	45,455
March.....	942	348	45,024
February.....	1,015	370	47,325
January.....	1,014	368	47,308
1970 ²			
December.....	918	344	44,047
November.....	954	358	44,508
October.....	1,008	375	47,065
September.....	984	371	46,803
August.....	989	368	47,014
July.....	960	370	46,633
June.....	961	361	45,679
May.....	972	363	47,204
April.....	1,004	367	47,443
March.....	989	369	46,779
February.....	1,135	383	51,018
January.....	1,038	382	48,807
1969 ²			
December.....	1,076	386	49,403

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production 1,000 cwt. ¹		Millfeed production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ percent
	Average per working day ¹	Calendar month total						
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,960	7,800	44,492	(NA) ⁴	994	96.3	75.2
October.....	1,033	21,702	367,764	48,166	NA	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,103	NA	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	NA	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	NA	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,015	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
September.....	1,055	22,159	391,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	NA	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA ⁴	1,003	94.0	74.3
April.....	943	20,756	352,372	45,834	NA	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	NA	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	NA	1,013	103.2	74.8
1969								
December.....	1,098	23,068	401,717	51,348	4,595	1,013	108.4	74.8

Note: Data include estimates for small mills.

NA: Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1971	NOVEMBER 1971	DECEMBER 1970
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 403	1 374	1 216
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 725	2 652	2 610
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	201	199	208
0011351	RYE GROUND FOR FLOUR	M BU	448	438	498
2041618	RYE MILLFEED PRODUCTION	TONS	2 762	2 695	2 511
2041611	RYE FLOUR STOCKS (1)	M CWT	38	(NA)	44
	24 HOUR CAPACITY (1)	DO	11	12	15

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(*) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIV-
IDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

	DECEMBER 1971	NOVEMBER 1971	DECEMBER 1970
GEOGRAPHIC AREA	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	20 961	20 090	20 754
MIDDLE ATLANTIC	2 806	2 805	2 829
NEW YORK	2 439	2 403	2 453
NORTH CENTRAL	2 185	11 675	11 969
OHIO	1 073	1 054	1 024
INDIANA	526	565	495
ILLINOIS	1 122	1 076	1 157
MICHIGAN	660	594	551
MINNESOTA	2 543	2 490	2 236
LOWA	397	456	479
MISSOURI	1 998	1 896	2 051
NEBRASKA	662	683	705
KANSAS	2 806	2 530	2 917
SOUTH ATLANTIC	934	927	749
EAST SOUTH CENTRAL	967	911	914
TENNESSEE	733	694	680
WEST SOUTH CENTRAL	1 106	906	1 184
OKLAHOMA	311	229	285
TEXAS	795	677	899
MOUNTAIN	1 228	1 040	1 083
MONTANA	276	244	286
UTAH	(D)	(D)	(D)
PACIFIC	1 775	1 826	2 026
WASHINGTON	587	563	606
OREGON	385	385	454
CALIFORNIA AND HAWAII	806	878	966

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(*) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIV-
IDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)			
Country to which exported	December	November	12 months through December
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
TOTAL.....	244	263	3,747
Colombia.....	12	9	257
Brazil.....	14	30	234
Morocco.....	-	67	1,149
Other.....	218	157	2,107
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURHAM FLOUR AND SEMOLINA (0460120)			
TOTAL.....	1,059	908	16,628
Brazil.....	-	-	202
South Arabia.....	234	112	1,944
Ceylon.....	-	-	2,080
Indonesia.....	6	131	3,925
Korean Republic.....	41	84	1,010
Tunisia.....	-	-	191
Guinea.....	10	130	374
Congo.....	-	-	396
Other.....	768	451	6,506

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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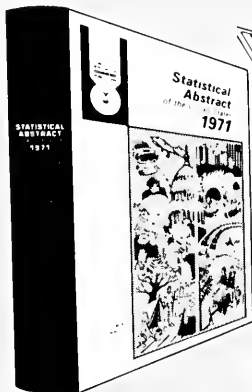
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Flour Milling Products

Summary for 1971



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

April 1972

SERIES: M20A(71)-13

This report includes statistics for all the months of 1971 and 1970. All revisions in this series compiled for these years, including more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1971 amounted to 249.8 million cwt. sacks about 3.3 million cwt. sacks below the 1970 production which, in turn was approximately 7.9 million cwt. above the production for 1967. Production figures in 1971 and 1970 were at 99.9 and 99.7 percent, respectively, of total annual capacity.

Wheat mills in 1971 and 1970 ground 554.3 and 563.7 million bushels of wheat; corresponding mill feed production figures for these years were 4,279 and 4,409 thousand tons.

Production of rye flour in 1971 amounted to 2,367 thousand cwt. sacks, compared with 2,406 thousand cwt. sacks in 1970. Rye grindings in 1971 and 1970 were 5,281 and 5,467 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheat-milling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products. The quantity figures for 1967 and 1963 were 245,703 and 267,530 thousand cwt., respectively. The production figures for these years as published in table 1 of this report are 245,240 and 260,007 thousand cwt. sacks, respectively.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief of the Foods, Textiles, Apparel, and Leather Branch. Kenneth I. Hansen, Chief, Foods, assisted by Bernadette M. Banks, was directly responsible for the review of the data and preparation of the report. Elmer S. Biles, Acting Chief of the Division and Louis J. Owen, Acting Assistant Chief of Commodity and Industry Programs, provided overall direction, and coordination to this project.

Table 1.-- SUMMARY. COMMERCIAL WHEAT MILLING PRODUCTION: 1941 to 1971

Year	Wheat flour production (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sacks of flour		Flour extraction rate (percent) ¹
				Wheat	Mill feed	
1941.....	216,800	504,300	4,356	139.6	40.2	71.6
1942.....	221,100	515,300	4,444	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.6
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,598	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,499	701,799	5,913	137.8	38.7	72.6
1948.....	279,133	639,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	138.1	39.7	71.9
1950.....	224,899	523,411	4,534	139.6	40.3	71.6
1951.....	229,292	535,235	4,626	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,405	514,028	4,440	139.3	40.1	71.8
1955.....	225,648	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	548,532	4,584	137.8	38.4	72.6
1958.....	248,004	566,688	4,713	137.1	38.0	72.9
1959.....	250,568	570,856	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	38.0	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,063	591,634	4,890	135.7	37.4	73.7
1965.....	250,384	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.1
1967.....	245,240	549,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,649	4,511	134.5	35.5	74.4
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	563,714	4,409	133.6	34.8	74.8
1971.....	249,810	555,082	4,279	133.3	34.3	75.0

Note. Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks. ²Based on 1954 Census of Manufactures. See Census report MC-20D, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTHS: 1971 AND 1970

Month	Seasonally adjusted			Unadjusted						
	Wheat flour production average per working day 1,000 cwt. sacks ¹	Wheat ground for flour 1,000 bushels ¹	Mill feed production 1,000 tons ¹	Wheat flour production (1,000 cwt. sacks)		Wheat ground for flour 1,000 bushels ¹	Mill feed production (1,000 tons ¹)	Average pounds per cwt. sack of flour		Flour extraction rate percent ²
				Average per working day	Calendar month total			Wheat	Mill feed	
1971, total.....	(X)	(X)	(X)	972	249,810	555,092	4,279	133.3	34.3	75.0
January.....	1,025	46,831	366	1,045	20,894	46,405	361	133.3	34.6	75.0
February.....	996	46,435	368	988	19,761	44,038	345	133.7	34.9	74.8
March.....	957	45,740	354	913	21,004	46,705	363	133.4	34.6	75.0
April.....	971	45,926	357	894	19,662	45,325	333	132.8	34.1	75.3
May.....	1,002	48,096	368	1,011	20,216	44,970	347	133.5	34.3	74.9
June.....	999	47,204	366	954	20,994	46,658	366	133.3	34.9	75.0
July.....	1,004	48,137	372	919	20,225	45,164	349	134.0	34.5	74.6
August.....	1,011	47,855	366	1,007	22,164	49,403	378	133.7	34.1	74.7
September.....	986	46,477	353	1,054	22,137	49,301	378	133.6	34.2	74.2
October.....	950	44,903	345	1,033	21,702	48,166	368	133.2	33.9	75.1
November.....	915	43,751	331	957	20,090	44,492	338	132.9	33.6	75.2
December.....	895	44,425	338	911	20,961	46,265	351	132.4	33.5	75.5
1970, total.....	(X)	(X)	(X)	993	253,094	563,714	4,409	133.6	34.8	74.8
January.....	1,050	48,809	381	1,046	21,460	48,917	383	133.7	34.9	74.8
February.....	1,117	50,110	384	1,105	21,015	47,424	357	133.4	34.0	75.0
March.....	1,001	47,332	374	970	21,347	47,396	372	133.2	34.8	74.8
April.....	1,012	47,745	370	943	20,756	45,831	332	132.5	33.9	75.5
May.....	934	47,257	365	943	19,826	44,500	347	134.7	35.0	74.4
June.....	964	45,675	360	908	19,852	44,126	333	132.5	35.3	75.2
July.....	968	46,287	367	869	19,991	44,700	350	134.2	35.0	74.5
August.....	985	46,425	364	1,011	21,333	47,440	373	134.1	35.1	75.1
September.....	968	46,533	369	1,055	22,159	49,364	393	133.7	34.5	74.5
October.....	1,002	47,629	375	1,062	23,364	51,708	407	132.8	34.8	75.3
November.....	969	45,945	361	1,035	20,707	46,161	361	133.8	34.8	74.8
December.....	925	44,486	346	943	20,754	46,147	361	132.1	34.4	75.0

¹ Not applicable.

² The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

³ Wheat flour production as compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS. 1971 AND 1970

Month	Rye flour production 1,000 cwt. sacks	Rye ground for flour 1,000 bushels	Mill feed production tons	Average pounds per cwt. sack of flour		Flour extraction rate percent ¹
				Rye	Mill feed	
1971, TOTAL.....	2,367	5,281	30,361	124.9	25.7	80.0
January.....	207	457	2,221	123.6	21.5	80.9
February.....	206	440	2,342	119.6	22.7	83.6
March.....	189	422	2,431	125.0	25.7	80.0
April.....	179	398	2,161	124.5	24.1	80.3
May.....	193	426	2,303	123.6	23.9	80.9
June.....	174	395	2,302	127.1	26.5	78.7
July.....	204	463	2,557	127.1	25.1	78.7
August.....	194	444	2,517	128.2	25.9	78.0
September.....	208	473	3,042	127.3	29.2	78.5
October.....	213	477	3,028	125.4	28.4	79.7
November.....	199	438	2,695	123.2	27.1	81.1
December.....	201	448	2,762	124.8	27.5	80.1
1970, TOTAL.....	2,406	5,467	31,350	127.3	26.0	78.6
January.....	221	497	2,738	125.8	24.8	79.5
February.....	213	510	3,180	134.3	29.9	74.5
March.....	186	422	2,641	126.9	28.4	78.8
April.....	153	343	2,060	125.5	26.9	79.7
May.....	186	408	2,310	122.6	24.8	81.6
June.....	181	408	2,598	126.0	28.8	79.4
July.....	173	390	2,387	126.0	27.6	79.4
August.....	291	645	3,433	124.1	23.6	80.6
September.....	203	467	2,724	129.1	26.8	77.5
October.....	206	459	2,456	124.8	23.8	80.2
November.....	185	420	2,312	127.0	25.0	78.7
December.....	208	498	2,511	134.1	24.2	74.6

¹Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1971 AND 1970

Geographic areas	1971				1970			
	Wheat ground for flour (1,000 bushels) ¹	Wheat flour production			Wheat ground for flour (1,000 bushels)	Wheat flour production		
		Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²		Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²
UNITED STATES, TOTAL..	555,092	249,810	972,736	99.9	563,714	253,094	987,962	99.7
Middle Atlantic division..	69,976	31,891	109,400	113.4	70,730	32,289	118,232	106.3
New York.....	60,080	27,624	91,377	117.6	60,738	28,075	99,859	109.4
North Central Region.....	324,363	146,139	549,529	103.5	329,814	148,163	557,884	103.3
Ohio.....	29,917	13,057	56,645	89.7	29,832	13,101	56,145	90.8
Indiana.....	15,270	6,632	25,624	100.7	15,377	6,556	25,888	98.5
Illinois.....	31,737	14,000	49,774	109.4	30,537	13,413	63,658	82.0
Michigan.....	16,003	7,120	34,029	81.4	16,506	7,275	34,656	81.7
Minnesota.....	64,041	29,526	106,851	107.5	60,195	27,810	97,911	110.5
Iowa.....	12,251	5,489	20,951	101.9	12,777	5,769	20,801	107.9
Missouri.....	51,164	23,385	81,900	111.1	52,095	23,765	78,926	117.2
Nebraska.....	18,833	8,166	32,023	99.2	18,723	8,076	32,023	98.1
Kansas.....	76,174	34,815	123,019	110.1	81,533	36,938	129,741	110.8
South Atlantic division..	25,407	11,094	49,800	86.7	19,876	8,820	44,689	76.8
East South Central division	25,615	11,142	52,409	82.7	26,504	11,544	50,290	89.3
Tennessee.....	19,080	8,337	32,133	101.0	20,065	8,781	30,314	112.7
West South Central division	30,134	13,488	59,217	88.6	33,944	15,023	66,032	88.5
Oklahoma.....	8,247	3,761	16,633	88.0	9,502	4,342	16,633	101.6
Texas.....	22,187	9,727	42,584	88.9	24,442	10,681	49,399	84.1
Mountain division.....	29,118	13,138	64,619	79.1	29,602	13,226	60,764	84.7
Montana.....	6,691	3,140	12,810	95.4	6,469	2,986	12,855	90.4
Utah.....	D	D	29,022	D	D	D	25,122	D
Pacific division.....	50,179	22,918	87,762	101.6	53,244	24,029	90,071	103.8
Washington.....	15,767	7,227	30,085	93.5	17,232	7,808	29,985	101.3
Oregon.....	11,169	5,056	23,025	85.4	12,733	5,695	23,525	94.2
California ³	23,243	10,635	32,552	127.1	23,279	10,526	36,561	112.0

¹Withheld to avoid disclosing figures for individual companies.²Capacity as reported for December of each year.³Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1969, 257 for 1970 and 1971. This figure is calculated on the basis of a 5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.⁴Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1971 AND 1970

Quarter	Production (1,000 cwt. sacks)	Mill stocks (1,000 cwt. sacks)
1971:		
First.....	61,659	4,732
Second.....	60,872	4,586
Third.....	64,526	4,861
Fourth.....	62,753	4,362
1970:		
First.....	64,322	4,237
Second.....	60,564	4,227
Third.....	63,383	4,438
Fourth.....	64,825	4,329

Table 6.--DURUM WHEAT PRODUCTS: 1971 AND 1970

Item	1971		1970	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels).....	15,821	16,415	16,176	15,876
Straight semolina and durum flour produced (thousand sacks (cwt.)).....	7,347 (D)	7,904 (D)	7,501 (D)	7,312 (D)
Blended semolina and durum flour produced (thousand sacks (cwt.)...				

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1971 AND 1970

Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total

import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufac- turers' production (1,000 cwt)	Exports of domestic merchandise ¹		Percent, exports to manufac- turers' production	Imports for consumption (1,000 cwt)	Calculated import duty (\$1,000)	Apparent consumption ⁴ (1,000 cwt)	Percent, imports to apparent consumption
		Quantity (1,000 cwt)	Value (\$1,000)					
		1971						
Wheat flour.....	249,810	² 20,556	² 83,556	8.2	(³)	(NA)	⁴ 229,254	(NA)
Semolina and durum flour.....	15,251	² 129	² 564	0.8	(³)	(NA)	⁴ 15,122	(NA)
		1970						
Wheat flour.....	253,094	² 26,002	² 99,739	10.3	(³)	(NA)	⁴ 227,092	(NA)
Semolina and durum flour.....	14,813	² 67	² 343	0.4	(³)	(NA)	⁴ 14,746	(NA)

(NA) Not available.

¹Source: Bureau of the Census Report PT 610, U.S. Exports of Domestic Merchandise; SIC-Based Products and Area.

²1971 and 1970 Schedule B codes 0460110, 0460120, 0460140, 0460150.

³1971 and 1970 Schedule B code 0460130.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also, see footnote 5 below.

⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated. (1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) Valuation.--Domestic producers' shipments, or production, are usually valued at the point of production--the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation--seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each commodity line in the table,

but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) Duplication in quantity and value of output.--Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) Low-value export and import transactions.--Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

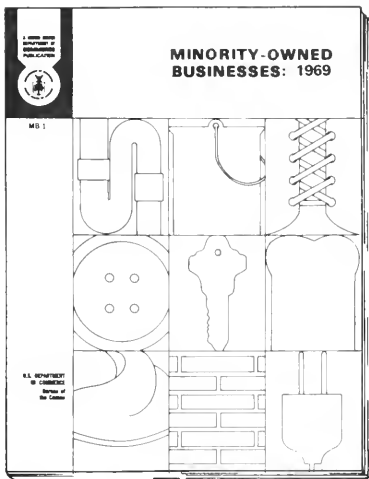
(d) Manufacturers' shipments, not specified by kind.--The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) Time lag between output and exports.--There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) "Direct" vs "total" commodity exports.--The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) Used commodities.--With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

MINORITY-OWNED BUSINESSES: 1969

Bureau of
the Census

This report offers the first set of comprehensive statistical data, compiled in this area, on the minority ownership of businesses in this country. It focuses on the economic characteristics of the principal minority groups, i.e., Negro, Spanish-speaking, and other racial minorities. Wherever possible, the Spanish-speaking group has been classified in terms of ownership by those of Mexican-American, Puerto Rican, Cuban, and Latin American ancestry.

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Flour Milling Products

January 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

March 1972

SERIES: M20A(72)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted
Wheat Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
January.....	979	360	47,101
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,135
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,002	375	47,629
September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675
May.....	934	365	47,257
April.....	1,012	370	47,745
March.....	1,001	374	47,332
February.....	1,117	381	50,110
January.....	1,050	381	48,809

Note: See note on page 2.

NOTE TO TABLE 1A COMBINED FINAL SEASONAL AND TRADING DAY FACTORS ONE YEAR AHEAD--1972

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Flour production- average per day.....	101,274	102,104	95,449	97,354	96,727	94,176	93,082	98,398	109,728	104,966	105,831	106,708
Milled production.....	97,698	97,730	102,818	91,527	97,754	98,081	91,451	107,001	104,595	106,567	103,836	100,368
Wheat grindings.....	98,186	98,387	102,811	92,222	97,338	97,485	91,842	106,585	103,883	107,277	103,836	100,174

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.-Summary of Wheat Flour Milling: 1969 to 1971

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1972								
January.....	991	20,820	351,814	46,247	NA ¹	977	101.5	75.0
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,860	44,492	(NA) ¹	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA) ¹	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA) ¹	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	(NA) ¹	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,976	(NA) ¹	1,002	100.9	74.9
April.....	894	19,662	334,916	43,525	(NA) ¹	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,938	NA	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA) ¹	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,117	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA) ¹	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,798	(NA) ¹	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	101.2	74.8
August.....	1,011	21,233	372,617	47,400	(NA) ¹	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA) ¹	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA) ¹	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA) ¹	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,424	NA ¹	1,013	109.1	73.9
January.....	1,046	21,960	383,437	48,905	(NA) ¹	1,013	103.2	74.8

Note: Data include estimates for small mills.

¹NA: Not available.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

³Collected quarterly.

⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JANUARY 1972	DECEMBER 1971	JANUARY 1971
			QUANTITY	QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 585	1 403	1 397
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 129	2 725	3 038
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	225	201	207
0011351	RYE GROUND FOR FLOUR	M BU	502	448	457
2041618	RYE MILLFEED PRODUCTION	TONS	3 157	2 762	2 221
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	3A	(NA)
	24 HOUR CAPACITY (1)	DO	11	11	15

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS; DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JANUARY 1972	DECEMBER 1971	JANUARY 1971
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	20 820	20 961	20 894
MIDDLE ATLANTIC	2 210	2 906	2 614
NEW YORK	1 874	2 439	2 296
NORTH CENTRAL	12 629	12 145	12 125
OHIO	1 089	1 073	1 005
INDIANA	632	526	534
ILLINOIS	1 217	1 122	1 204
MICHIGAN	669	660	561
MINNESOTA	2 561	2 543	2 288
IOWA	425	407	434
MISSOURI	2 035	1 998	1 957
NEBRASKA	698	662	701
KANSAS	2 904	2 806	3 058
SOUTH ATLANTIC	953	934	888
EAST SOUTH CENTRAL	987	967	916
TENNESSEE	747	733	678
WEST SOUTH CENTRAL	1 280	1 106	1 232
OKLAHOMA	395	311	387
TEXAS	885	795	845
MOUNTAIN	1 091	1 228	1 105
MONTANA	208	206	278
UTAH	(D)	(D)	(D)
PACIFIC	1 691	1 775	2 012
WASHINGTON	534	607	615
OREGON	347	392	477
CALIFORNIA AND HAWAII	805	896	920

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	January	December	1 month through January
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
TOTAL.....	310	244	310
Columbia.....	12	12	12
Brazil.....	2	14	2
Morocco.....	95	-	95
Other.....	201	218	201
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURHAM FLOUR AND SEMOLINA (0460120)			
TOTAL.....	1,317	1,059	1,317
Brazil.....	-	-	-
South Arabia.....	274	234	274
Ceylon.....	113	-	113
Indonesia.....	-	6	-
Korean Republic.....	93	41	93
Tunisia.....	-	-	-
Guinea.....	-	10	-
Congo.....	-	-	-
Other.....	837	768	837

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.





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Flour Milling Products

February 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

April 1972

SERIES: M20A(72)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted
Wheat Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
February.....	931	350	45,148
January.....	974	364	46,791
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,186
November.....	969	361	45,945
October.....	1,002	375	47,629
September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675
May.....	934	365	47,257
April.....	1,012	370	47,745
March.....	1,001	374	47,332
February.....	1,117	381	50,110

Note: See note on page 2.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233. This publication is for sale by the Bureau of the Census, Price: 15 cents per copy—\$1.50 per year.

NOTE TO TABLE 1A COMBINED FINAL SEASONAL AND TRADING DAY FACTORS ONE YEAR AHEAD--1972

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Flour production-- average per day.....	101,274	102,104	95,449	97,354	96,727	94,176	93,082	98,398	109,728	104,966	105,831	106,708
Millfeed production...	97,698	97,730	102,818	91,527	97,754	98,691	91,451	107,001	104,595	106,567	103,836	100,368
Wheat grindings.....	98,186	98,387	102,811	92,232	97,338	97,485	91,842	106,585	103,883	107,277	103,836	100,174

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series N20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ² (percent)
	Average per working day ¹	Calendar month total						
1972								
February.....	951	19,966	341,763	44,420	(NA)	977	97.3	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,976	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	(NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,089	4,237	1,003	96.7	75.5
February.....	1,105	21,015	356,535	47,124	(NA)	1,013	109.1	73.9
January.....	1,046	21,960	383,457	48,905	(NA)	1,013	103.2	74.8

Note Data include estimates for small mills.

NA Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1972 QUANTITY	JANUARY 1972 QUANTITY	FEBRUARY 1971 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 415	¹ 315	1 354
2041155	BLENDED SEMOLINA DURUM FLOUR	D0	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 051	² 911	2 915
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	185	223	206
0011351	RYE GROUND FOR FLOUR	M BU	402	501	440
2041610	RYE MILLFEED PRODUCTION	TONS	2 231	3 162	2 342
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1)	D0	11	11	13

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

² REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUBLISHED FIGURES.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1972 QUANTITY PRODUCED	JANUARY 1972 QUANTITY PRODUCED	FEBRUARY 1971 QUANTITY PRODUCED
UNITED STATES: TOTAL	19 966	20 704	19 761
MIDDLE ATLANTIC	2 111	2 202	2 482
NEW YORK	1 766	1 874	2 118
NORTH CENTRAL	12 012	12 516	11 262
OHIO	1 098	1 089	1 132
INDIANA	531	629	468
ILLINOIS	1 247	1 217	1 127
MICHIGAN	563	546	520
MINNESOTA	2 407	2 518	2 220
IOWA	420	425	436
MISSOURI	1 911	2 021	1 803
NEBRASKA	724	696	717
KANSAS	2 746	2 975	2 490
SOUTH ATLANTIC	911	951	906
EAST SOUTH CENTRAL	956	987	889
TENNESSEE	722	747	670
WEST SOUTH CENTRAL	1 208	1 270	1 196
OKLAHOMA	322	385	302
TEXAS	886	885	894
MOUNTAIN	1 025	1 080	1 052
MONTANA	199	208	272
UTAH	(D)	(D)	(D)
PACIFIC	1 743	1 698	1 974
WASHINGTON	575	534	676
OREGON	449	362	421
CALIFORNIA AND HAWAII	719	802	877

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	February	January	2 months through February
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
TOTAL.....	267	310	577
Columbia.....	6	12	18
Brazil.....	-	2	2
Morocco.....	-	95	95
Other.....	261	201	462
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
TOTAL.....	1,472	1,317	2,789
Brazil.....	-	-	-
South Arabia.....	199	274	473
Ceylon.....	600	113	713
Indonesia.....	-	-	-
Korean Republic.....	-	93	93
Tunisia.....	-	-	-
Guinea.....	-	-	-
Congo.....	-	-	-
Other.....	673	837	1,510

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

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The Methods and Materials of Demography

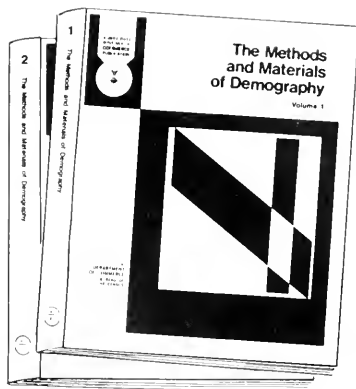
These two volumes offer a systematic and comprehensive exposition, with illustrations, of the methods currently used by technicians and research workers in dealing with demographic data. They are intended to serve both as texts for courses in demographic methods and as references for professional workers who use population data. The publications deal with the sources, limitations, underlying definitions, and bases of classification of demographic data, as well as with techniques and methods that have been developed for summarizing and analyzing them.

Topics covered include formal demography and the study of many social and economic characteristics of the population.

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At the same time, the materials of the United States are covered in great detail, especially with respect to sources, definitions, and historical developments. Plans for the enumeration, processing, and tabulation of the 1970 Census of the United States are included. The methodological material is presented in the simplest mathematical form and, for the most part, a knowledge of advanced mathematics is not required. The volumes benefit from the contribution of a number of specialists who participated as associate authors.

The two-volume book consists of about 26 subject chapters and three appendixes of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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Flour Milling Products

March 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

May 1972

SERIES: M20A(72)-3

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

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Wheat Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
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March.....	955	349	45,513
February.....	932	350	45,193
January.....	974	364	46,791
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,002	375	47,629
September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675
May.....	934	365	47,257
April.....	1,012	370	47,745
March.....	1,001	374	47,640

¹Revised

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving day, and December 25.

³Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month, total						
1972								
March.....	912	20,980	359,071	46,792	4,542	986	92.5	74.7
February.....	952	19,994	341,770	44,464	NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	NA)	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,638	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	44,038	NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA)	1,003	94.0	74.3
April.....	913	20,756	352,272	45,834	NA)	1,003	94.1	75.5
March.....	970	21,347	372,048	47,396	4,237	1,003	96.7	75.1

Note: Data include estimates for small mills.

NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.⁴Revised.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MARCH 1972 QUANTITY	FEBRUARY 1972 QUANTITY	MARCH 1971 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 366	1 415	1 425
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	3 003	3 051	3 076
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	200	185	180
0011351	RYE GROUND FOR FLOUR	M BU	431	402	422
2041618	RYE MILLFEED PRODUCTION	TONS	2 060	2 231	2 431
2041611	RYE FLOUR STOCKS (1)	M CWT	67	(NA)	40
	24 HOUR CAPACITY (1)	DO	11	11	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MARCH 1972 QUANTITY PRODUCED	FEBRUARY 1972 QUANTITY PRODUCED	MARCH 1971 QUANTITY PRODUCED
UNITED STATES: TOTAL	20 980	19 994	21 004
MIDDLE ATLANTIC	2 376	2 116	2 540
NEW YORK	2 004	1 766	2 172
NORTH CENTRAL	12 357	12 016	12 094
OHIO	1 138	1 098	1 188
INDIANA	527	531	536
ILLINOIS	1 298	1 246	1 231
MICHIGAN	613	565	631
MINNESOTA	2 611	2 410	2 480
IOWA	507	420	456
MISSOURI	2 027	1 911	1 871
NEBRASKA	719	724	681
KANSAS	2 563	2 746	2 650
SOUTH ATLANTIC	934	910	925
EAST SOUTH CENTRAL	1 001	974	966
TENNESSEE	759	740	714
WEST SOUTH CENTRAL	1 083	1 211	1 137
OKLAHOMA	262	320	320
TEXAS	821	889	808
MOUNTAIN	1 135	1 024	1 111
MONTANA	250	199	295
UTAH	(D)	(D)	(D)
PACIFIC	2 094	1 743	2 235
WASHINGTON	763	575	703
OREGON	502	449	467
CALIFORNIA AND HAWAII	829	719	665

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	March	February	3 months through March
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	150	267	727
Columbia.....	-	6	18
Brazil.....	-	-	2
Morocco.....	108	-	203
Other.....	42	261	504
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,168	1,472	3,957
Brazil.....	-	-	-
South Arabia.....	218	199	691
Ceylon.....	477	600	1,190
Indonesia.....	-	-	-
Korean Republic.....	206	-	299
Tunisia.....	-	-	-
Guinea.....	-	-	-
Congo.....	-	-	-
Other.....	267	673	1,777

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not

associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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OFFICIAL BUSINESS



Flour Milling Products

April 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

June 1972

SERIES: M20A(72)-4

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted
Wheat Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ 1,000 cwt.	Millfeed production 1,000 tons	Wheat ground for flour 1,000 bushels
1972			
April.....	1,001	367	46,938
March.....	960	351	45,600
February.....	932	350	45,193
January.....	974	364	46,791
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,022	375	47,629
September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675
May.....	934	365	47,257
April.....	1,012	370	47,745

¹Revised.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

³Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B--Summary of Wheat Flour Milling: 1970 to 1972

Month and year	Unadjusted							
	Wheat flour production 1,000 cwt. ¹		Millfeed production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ percent
	Average per working day ¹	Calendar month, total						
1972								
April.....	975	19,499	336,112	43,287	NA	986	98.9	75.1
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	NA	977	97.4	74.9
January.....	986	20,704	355,627	45,942	NA	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	NA	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	NA	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	NA	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	NA	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.1	75.0
February.....	988	19,761	344,821	41,038	NA	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	NA	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	NA	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	NA	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,400	NA	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	NA	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	NA	1,003	94.0	74.3
April.....	943	20,756	352,272	45,834	NA	1,003	94.1	75.5

Note: Data include estimates for small mills.

NA: Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE1 FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1972	MARCH 1972	APRIL 1971
			QUANTITY	QUANTITY	QUANTITY
DURUM WHEAT (INCLUDED IN TABLE 1 DATA):					
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 144	1 366	1 114
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 527	3 003	2 406
RYE1					
2041611	RYE FLOUR PRODUCTION	M CWT	179	199	179
0011351	RYE GROUND FOR FLOUR	M BU	380	431	399
2041618	RYE MILLFEED PRODUCTION	TONS	1 924	2 056	2 161
2041611	RYE FLOUR STOCKS (1)	M CWT	47	65	40
	24 HOUR CAPACITY (1)	DO	11	11	10

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1972	MARCH 1972	APRIL 1971
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	19 499	21 058	19 662
MIDDLE ATLANTIC	1 982	2 371	2 337
NEW YORK	1 683	2 004	2 006
NORTH CENTRAL	11 571	12 373	11 505
OHIO	995	1 141	989
INDIANA	542	527	551
ILLINOIS	1 108	1 295	1 054
MICHIGAN	541	621	573
MINNESOTA	2 360	2 606	2 211
IOWA	422	507	426
MISSOURI	1 870	2 027	1 841
NEBRASKA	621	719	662
KANSAS	2 831	2 576	2 898
SOUTH ATLANTIC	985	943	915
EAST SOUTH CENTRAL	954	981	914
TENNESSEE	738	739	692
WEST SOUTH CENTRAL	1 164	1 152	980
OKLAHOMA	400	334	325
TEXAS	764	818	655
MOUNTAIN	1 059	1 135	1 041
MONTANA	272	250	272
UTAH	(D)	(D)	(D)
PACIFIC	1 884	2 103	1 968
WASHINGTON	613	763	588
OREGON	487	502	572
CALIFORNIA AND HAWAII	784	838	808

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

^TREVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUBLISHED FIGURES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	April	March	4 months through April
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	141	150	868
Columbia.....	5	-	23
Brazil.....	-	-	2
Morocco.....	75	108	278
Other.....	61	42	565
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	756	1,168	4,713
Brazil.....	3	-	3
South Arabia.....	197	218	888
Ceylon.....	206	477	1,396
Indonesia.....	-	-	-
Korean Republic.....	88	206	387
Tunisia.....	7	-	7
Guinea.....	-	-	-
Congo.....	-	-	-
Other.....	255	267	2,032

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat Flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

The Methods and Materials of Demography

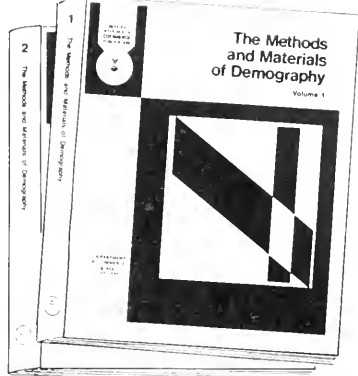
These two volumes offer a systematic and comprehensive exposition, with illustrations, of the methods currently used by technicians and research workers in dealing with demographic data. They are intended to serve both as texts for courses in demographic methods and as references for professional workers who use population data. The publications deal with the sources, limitations, underlying definitions, and bases of classification of demographic data, as well as with techniques and methods that have been developed for summarizing and analyzing them.

Topics covered include formal demography and the study of many social and economic characteristics of the population.

The derivation of the demographic measures described is usually illustrated in step-by-step examples using actual statistics, drawn from a wide range of geographic areas, both in the United States and abroad. Considerable emphasis is placed on the kinds of data available for statistically underdeveloped areas, as well as on the special methods applicable to these areas.

At the same time, the materials of the United States are covered in great detail, especially with respect to sources, definitions, and historical developments. Plans for the enumeration, processing, and tabulation of the 1970 Census of the United States are included. The methodological material is presented in the simplest mathematical form and, for the most part, a knowledge of advanced mathematics is not required. The volumes benefit from the contribution of a number of specialists who participated as associate authors.

The two-volume book consists of about 26 subject chapters and three appendixes of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

May 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

June 1972

SERIES: M20A(72)-5

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Wheat Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
May.....	989	366	48,215
April.....	1,010	369	47,464
March.....	960	331	45,600
February.....	932	350	45,193
January.....	974	364	46,791
1971			
December.....	895	338	44,125
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
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September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675
May.....	934	365	47,257

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.—Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat Flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ¹ (percent)
	Average per working day ¹	Calendar month, total						
1972								
May.....	957	21,063	358,222	46,932	(NA)	986	97.1	74.8
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	1,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,804	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	30,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	30,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4
May.....	944	19,826	346,610	44,500	(NA)	1,003	94.0	74.3

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1972 QUANTITY	APRIL 1972 QUANTITY	MAY 1971 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 272	1 144	1 041
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	2 810	2 527	2 217
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	159	179	103
0011351	RYE GROUND FOR FLOUR	M BU	343	360	426
2041618	RYE MILLFEED PRODUCTION	TONS	1 803	1 924	2 103
2041611	RYE FLOUR STOCKS (1)	M CWT	43	47	40
	24 HOUR CAPACITY (1)	DO	11	11	10

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1972 QUANTITY PRODUCED	APRIL 1972 QUANTITY PRODUCED	MAY 1971 QUANTITY PRODUCED
UNITED STATES: TOTAL	21 063	19 654	20 216
MIDDLE ATLANTIC	2 208	1 982	2 332
NEW YORK	1 879	1 683	2 011
NORTH CENTRAL	12 417	11 604	12 200
OHIO	965	995	1 010
INDIANA	549	542	524
ILLINOIS	1 216	1 136	1 096
MICHIGAN	605	546	507
MINNESOTA	2 575	2 360	2 399
IOWA	461	422	450
MISSOURI	1 981	1 870	2 065
NEBRASKA	712	621	614
KANSAS	2 997	2 831	3 287
SOUTH ATLANTIC	926	892	902
EAST SOUTH CENTRAL	993	954	937
TENNESSEE	752	738	606
WEST SOUTH CENTRAL	1 374	1 253	1 028
OKLAHOMA	520	456	220
TEXAS	854	797	808
MOUNTAIN	1 161	1 082	1 032
MONTANA	270	272	240
UTAH	(0)	(0)	(0)
PACIFIC	1 984	1 887	1 995
WASHINGTON	663	613	573
OREGON	509	487	471
CALIFORNIA AND HAWAII	812	787	941

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

*REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUB-
LISHED FIGURES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	April	March	4 months through April
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	141	150	868
Columbia.....	5	-	23
Brazil.....	-	-	2
Morocco.....	75	108	278
Other.....	61	42	565
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	756	1,168	4,713
Brazil.....	3	-	3
South Arabia.....	197	218	888
Ceylon.....	206	477	1,396
Indonesia.....	-	-	-
Korean Republic.....	88	206	387
Tunisia.....	7	-	7
Guinea.....	-	-	-
Congo.....	-	-	-
Other.....	255	267	2,032

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



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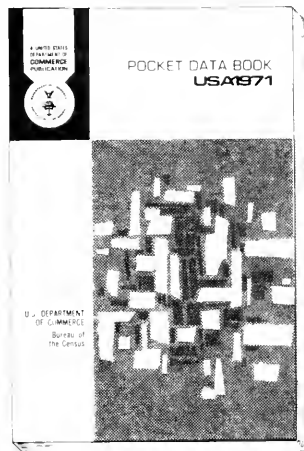
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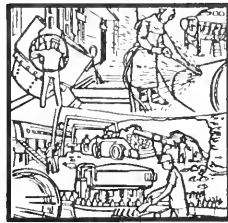




CURRENT INDUSTRIAL REPORTS

Flour Milling Products

June 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

August 1972

SERIES: M20A(72)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
June.....	1,019	369	48,450
May.....	990	367	48,180
April.....	1,010	369	47,464
March.....	960	351	45,660
February.....	932	350	45,193
January.....	974	364	46,791
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,022	375	47,629
September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287
June.....	964	360	45,675

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month, total						
1972								
June.....	960	21,118	364,426	47,231	4,379	1,011	94.9	74.5
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,255	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5
June.....	908	19,982	353,236	44,126	4,227	1,005	90.4	75.4

Note: Data include estimates for small mills.

¹NA Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1972 QUANTITY	MAY 1972 QUANTITY	JUNE 1971 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 136	1 223	1 012
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(n)	(n)	(n)
0011373	DURUM WHEAT GROUND	M BU	2 511	2 709	2 149
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	191	159	174
0011351	RYE GROUND FOR FLOUR	M BU	411	343	395
2041618	RYE MILLFEED PRODUCTION	TONS	2 180	1 811	2 302
2041611	RYE FLOUR STOCKS (1)	M CWT	80	43	30
	24 HOUR CAPACITY (1)	DO	11	11	10

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JUNE 1972 QUANTITY PRODUCED	MAY 1972 QUANTITY PRODUCED	JUNE 1971 QUANTITY PRODUCED
UNITED STATES: TOTAL	21 118	21 083	20 987
MIDDLE ATLANTIC	2 385	2 208	2 731
NEW YORK	2 059	1 879	2 410
NORTH CENTRAL	12 115	12 433	11 996
OHIO	950	965	937
INDIANA	544	550	521
ILLINOIS	1 075	1 216	1 191
MICHIGAN	549	604	627
MINNESOTA	2 682	2 585	2 296
IOWA	455	461	477
MISSOURI	2 143	1 975	1 950
NEBRASKA	722	712	668
KANSAS	2 698	3 009	3 074
SOUTH ATLANTIC	995	917	926
EAST SOUTH CENTRAL	1 027	1 006	971
TENNESSEE	778	765	731
WEST SOUTH CENTRAL	1 327	1 374	1 137
OKLAHOMA	497	520	293
TEXAS	830	854	844
MOUNTAIN	1 181	1 161	1 178
MONTANA	296	270	278
UTAH	(n)	(n)	(n)
PACIFIC	2 098	1 984	2 048
WASHINGTON	736	663	709
OREGON	538	509	467
CALIFORNIA AND HAWAII	814	812	872

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt)

Country to which exported	May	April	5 months through May
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	343	141	1,211
Columbia.....	2	5	25
Brazil.....	11	-	13
Morocco.....	115	75	393
Other.....	215	61	780
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	2,300	756	7,013
Brazil.....	43	3	46
South Arabia.....	125	197	1,013
Ceylon.....	1,215	206	2,611
Indonesia.....	5	-	5
Korean Republic.....	108	88	495
Tunisia.....	-	7	7
Guinea.....	-	-	-
Congo.....	-	-	-
Other.....	804	255	2,836

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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†Monthly Department Store Sales for Selected Areas—Monthly dollar sales volume and the percent change in sales compared with the previous month and the same month in the previous year. Cumulative year-to-date comparisons with data for the previous year are also shown. Data are collected in about 200 standard metropolitan statistical areas, cities, and other areas.

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†Monthly Selected Services Receipts—This report provides data on monthly receipts of six major kind-of-business groups of services: Hotels,

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Other Business Reports

†Canned Food Report—This report is issued on five dates—January 1, April 1, June 1, July 1, and November 1—to show total stocks of wholesale distributors and canners, including warehouses of retail multiunit organizations, of selected canned food items (vegetables, fruits, juices, fish). In the January 1 report, separate data are shown for the No. 10 can size as well as for warehouse stocks of retail multiunit organizations.

†Green Coffee Inventories and Roastings—This quarterly report provides estimates of green coffee inventories held by roasters, importers, and dealers, the quantity of green coffee roasted, and the amount roasted for soluble use, by quarters, for the current and previous three years. Also included are quarterly imports of green coffee during the same period.

*Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

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The Methods and Materials of Demography

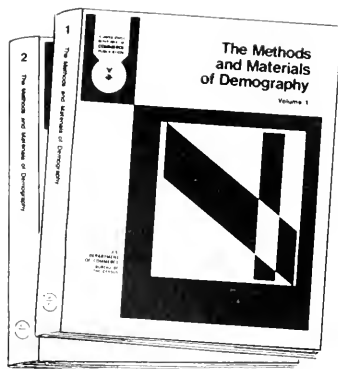
These two volumes offer a systematic and comprehensive exposition, with illustrations, of the methods currently used by technicians and research workers in dealing with demographic data. They are intended to serve both as texts for courses in demographic methods and as references for professional workers who use population data. The publications deal with the sources, limitations, underlying definitions, and bases of classification of demographic data, as well as with techniques and methods that have been developed for summarizing and analyzing them.

Topics covered include formal demography and the study of many social and economic characteristics of the population.

The derivation of the demographic measures described is usually illustrated in step-by-step examples using actual statistics, drawn from a wide range of geographic areas, both in the United States and abroad. Considerable emphasis is placed on the kinds of data available for statistically underdeveloped areas, as well as on the special methods applicable to these areas.

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The two-volume book consists of about 26 subject chapters and three appendices of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

July 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

September 1972

SERIES: M20A(72)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
July.....	1,064	374	47,554
June.....	1,020	368	48,391
May.....	990	367	48,180
April.....	1,010	369	47,464
March.....	960	351	45,660
February.....	932	350	45,193
January.....	974	364	46,791
1971			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
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September.....	983	369	46,533
August.....	985	364	46,425
July.....	968	367	46,287

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1969 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products Seasonal Adjustment Supplement published March 31, 1971.

Table 1B.--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month, total						
1972								
July.....	990	19,790	341,816	43,675	(NA)	1,011	97.9	75.5
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,251	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.1	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,192	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
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October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8
August.....	1,011	21,233	372,617	47,440	(NA)	1,005	100.6	75.1
July.....	869	19,991	349,526	44,700	(NA)	1,005	86.4	74.5

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1972 QUANTITY	JUNE 1972 QUANTITY	JULY 1971 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 002	1 108	1 050
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 264	2 450	2 311
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	179	191	208
0011351	RYE GROUND FOR FLOUR	M BU	379	411	463
2041618	RYE MILLFEED PRODUCTION	TONS	1 847	2 180	2 547
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	80	30
	24 HOUR CAPACITY (1)	DO	11	11	10

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

	JULY 1972 QUANTITY PRODUCED	JUNE 1972 QUANTITY PRODUCED	JULY 1971 QUANTITY PRODUCED
UNITED STATES, TOTAL	19 790	21 133	20 224
MIDDLE ATLANTIC	2 107	2 385	2 534
NEW YORK	1 801	2 059	2 202
NORTH CENTRAL	11 647	12 119	12 074
OHIO	892	950	1 122
INDIANA	547	544	580
ILLINOIS	1 027	1 070	1 134
MICHIGAN	471	545	566
MINNESOTA	2 778	2 650	2 615
IOWA	501	455	469
MISSOURI	1 904	2 104	1 858
NEBRASKA	649	722	661
KANSAS	2 737	2 772	2 869
SOUTH ATLANTIC	917	905	933
EAST SOUTH CENTRAL	961	1 074	867
TENNESSEE	744	790	634
WEST SOUTH CENTRAL	1 107	1 327	1 171
OKLAHOMA	448	467	544
TEXAS	649	870	517
MOUNTAIN	1 118	1 181	949
MONTANA	275	296	238
UTAH	(D)	(D)	(D)
PACIFIC	1 903	2 088	1 666
WASHINGTON	593	736	503
OREGON	400	538	341
CALIFORNIA AND HAWAII	820	814	842

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	June	May	6 months through June
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	253	343	1,464
Columbia.....	12	2	37
Brazil.....	14	11	27
Morocco.....	192	115	585
Other.....	35	215	815
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	2,494	2,300	9,507
Brazil.....	7	43	53
South Arabia.....	186	125	1,199
Ceylon.....	938	1,215	3,549
Indonesia.....	-	5	5
Korean Republic.....	-	108	495
Tunisia.....	-	-	7
Guinea.....	99	-	99
Congo.....	-	-	-
Other.....	1,264	804	4,100

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

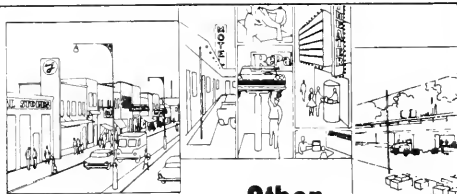
Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

UP-TO-DATE BUSINESS REPORTS



Current Reports on Retail Trade

***Weekly Retail Sales**—Estimates of weekly retail sales for the United States for selected major kind-of-business groups, including figures for the comparable weeks in the previous year. Issued each Thursday.

***Monthly Retail Trade Report**—Estimates of monthly retail sales for the United States by major kind-of-business groups and selected individual kinds of business; separate figures shown, in more limited kind-of-business detail, for firms operating 11 or more retail stores. Summary sales data presented for geographic regions and divisions, and for 15 large States, the 20 large standard metropolitan statistical areas and the five largest cities. Also included are national estimates of end-of-month accounts receivable balances for retail stores.

***Annual Retail Trade Report**—Estimates of inventories held by retailers in the United States by major kind-of-business groups and selected individual kinds of business. Separate figures shown in more limited kind-of-business detail for firms operating 11 or more retail stores. Also shown are sales-inventory ratios as well as per capita sales, by kind-of-business for the United States, by major kind-

of-business groups for geographic regions, and summary figures for geographic divisions and for the larger States and standard metropolitan statistical areas.

***Advance Monthly Retail Sales**—Advance estimates of monthly retail sales for the United States (including data adjusted for seasonal variations and trading day differences) are compiled by major kind-of-business groups about 10 days after the month covered. Publication of this series has been temporarily suspended but unofficial estimates may be obtained from the Business Division of the Bureau of the Census.

†Monthly Department Store Sales for Selected Areas—Monthly dollar sales volume and the percent change in sales compared with the previous month and the same month in the previous year. Cumulative year-to-date comparisons with data for the previous year are also shown. Data are collected in about 200 standard metropolitan statistical areas, cities, and other areas.

Selected Services Trade

†Monthly Selected Services Receipts—This report provides data on monthly receipts of six major kind-of-business groups of services: Hotels,

motels, tourist courts, trailer parks, and camps; personal services; business services; automotive services; miscellaneous repair services; and motion picture, amusement, and recreation services. Comparable data for the previous months and for the same month in the previous year are also shown, in addition to the percent changes. Data are shown both unadjusted and adjusted for seasonal variations and trading day differences.

Wholesale Trade

***Monthly Wholesale Trade Report**—This report includes estimated dollar sales, end-of-month inventories, and stock-sales ratios of merchant wholesalers, by kind of business for the current month, with comparisons for previous months. Dollar volume sales estimates are shown by geographic division in total and for durable and non-durable kind-of-business subtotals. Sales and inventory trends (percent changes) are shown by detailed kinds of business at the national level and for selected kinds of businesses by geographic division. Measures of sampling variability are given. United States data are shown adjusted for seasonal variations and in the case of sales, also for trading-day differences.

Other Business Reports

†Canned Food Report—This report is issued on five dates—January 1, April 1, June 1, July 1, and November 1—to show total stocks of wholesale distributors and canners, including warehouses of retail multiunit organizations, of selected canned food items (vegetables, fruits, juices, fish). In the January 1 report, separate data are shown for the No. 10 can size as well as for warehouse stocks of retail multiunit organizations.

†Green Coffee Inventories and Roastings—This quarterly report provides estimates of green coffee inventories held by roasters, importers, and dealers, the quantity of green coffee roasted, and the amount roasted for soluble use, by quarters, for the current and previous three years. Also included are quarterly imports of green coffee during the same period.

***Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.**

†Available from the Bureau of the Census, Washington, D.C. 20233

Publications Order Forms furnishing additional information of the various reports listed here are available free of charge from the Publications Distribution Section, Bureau of the Census, Washington, D.C. 20233.

The Methods and Materials of Demography

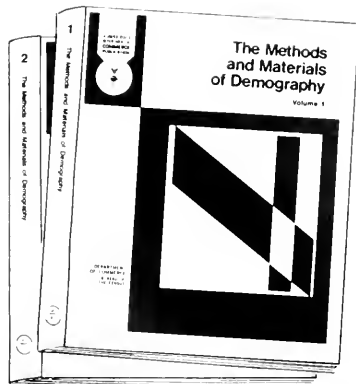
These two volumes offer a systematic and comprehensive exposition, with illustrations, of the methods currently used by technicians and research workers in dealing with demographic data. They are intended to serve both as texts for courses in demographic methods and as references for professional workers who use population data. The publications deal with the sources, limitations, underlying definitions, and bases of classification of demographic data, as well as with techniques and methods that have been developed for summarizing and analyzing them.

Topics covered include formal demography and the study of many social and economic characteristics of the population.

The derivation of the demographic measures described is usually illustrated in step-by-step examples using actual statistics, drawn from a wide range of geographic areas, both in the United States and abroad. Considerable emphasis is placed on the kinds of data available for statistically underdeveloped areas, as well as on the special methods applicable to these areas.

At the same time, the materials of the United States are covered in great detail, especially with respect to sources, definitions, and historical developments. Plans for the enumeration, processing, and tabulation of the 1970 Census of the United States are included. The methodological material is presented in the simplest mathematical form and, for the most part, a knowledge of advanced mathematics is not required. The volumes benefit from the contribution of a number of specialists who participated as associate authors.

The two-volume book consists of about 26 subject chapters and three appendixes of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

August 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

September 1972

SERIES: M20A(72)-8

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May.....	990	367	48,180
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Table 1B--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)								
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	RYE:				
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0011351	RYE GROUND FOR FLOUR	M BU	404	379	444
2041618	RYE MILLFED PRODUCTION	TONS	2 184	1 857	2 517
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	27
	24 HOUR CAPACITY (1)	DO	11	11	10

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1972 QUANTITY PRODUCED	JULY 1972 QUANTITY PRODUCED	AUGUST 1971 QUANTITY PRODUCED
UNITED STATES: TOTAL	21 399	19 811	22 164
MIDDLE ATLANTIC	2 467	2 107	2 935
NEW YORK	2 021	1 801	2 532
NORTH CENTRAL	12 533	11 659	13 046
OHIO	1 105	892	1 131
INDIANA	591	557	599
ILLINOIS	1 254	1 070	1 212
MICHIGAN	507	444	623
MINNESOTA	2 826	2 578	2 721
IOWA	478	501	480
MISSOURI	2 014	1 908	2 111
NEBRASKA	675	649	700
KANSAS	2 690	2 729	3 109
SOUTH ATLANTIC	950	922	969
EAST SOUTH CENTRAL	1 040	1 002	979
TENNESSEE	768	757	729
WEST SOUTH CENTRAL	1 279	1 100	1 315
OKLAHOMA	491	458	389
TEXAS	786	642	926
MOUNTAIN	1 222	1 118	1 138
MONTANA	275	275	252
UTAH	(D)	(D)	(D)
PACIFIC	1 908	1 903	1 782
WASHINGTON	618	591	507
OREGON	481	490	386
CALIFORNIA AND HAWAII	809	820	889

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

*REVISED BY 5 PERCENT OR MORE FROM PREVIOUSLY PUBLISHED DATA.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	July	June	7 months through July
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	399	253	1,863
Columbia.....	24	12	61
Brazil.....	10	14	37
Morocco.....	155	192	740
Other.....	210	35	1,025
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, DURUM FOR RELIEF OF CHARITY (0460120)			
Total.....	1,381	2,494	10,888
Brazil.....	1	7	54
South Arabia.....	187	186	1,386
Ceylon.....	-	938	3,549
Indonesia.....	-	-	5
Korean Republic.....	297	-	792
Tunisia.....	-	-	7
Guinea.....	-	99	99
Congo.....	-	-	-
Other.....	896	1,264	4,996

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Other Business Reports

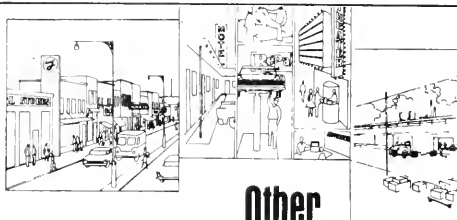
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The Methods and Materials of Demography

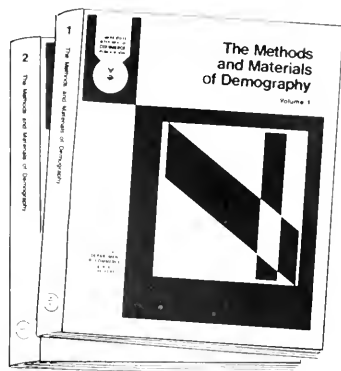
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Topics covered include formal demography and the study of many social and economic characteristics of the population.

The derivation of the demographic measures described is usually illustrated in step-by-step examples using actual statistics, drawn from a wide range of geographic areas, both in the United States and abroad. Considerable emphasis is placed on the kinds of data available for statistically underdeveloped areas, as well as on the special methods applicable to these areas.

At the same time, the materials of the United States are covered in great detail, especially with respect to sources, definitions, and historical developments. Plans for the enumeration, processing, and tabulation of the 1970 Census of the United States are included. The methodological material is presented in the simplest mathematical form and, for the most part, a knowledge of advanced mathematics is not required. The volumes benefit from the contribution of a number of specialists who participated as associate authors.

The two-volume book consists of about 26 subject chapters and three appendices of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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Flour Milling Products

September 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

November 1972

SERIES: M20A(72)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
September.....	972	352	45,854
August.....	941	345	44,527
July.....	1,065	375	48,077
June.....	1,020	368	48,391
May.....	990	367	48,180
April.....	1,010	369	47,464
March.....	960	351	45,660
February.....	932	350	45,193
January.....	974	364	46,791
1971 ²			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	937	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,022	375	47,629
September.....	983	369	46,533

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April, 1972.

Table 1B.--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)								
Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day	Calendar month total						
1972								
September.....	1,067	21,347	368,513	47,634	4,886 (NA)	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,192	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,051	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3
September.....	1,055	22,159	393,420	49,361	4,438	1,013	104.2	74.8

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION; GRAIN CONSUMPTION;
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1972	AUGUST 1972
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 300	1 362
0011351	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011373	DURUM WHEAT GROUND	M BU	2 925	3 077
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	179	182
0011351	RYE GROUND FOR FLOUR	M BU	396	403
2041618	RYE MILLFEED PRODUCTION	TONS	2 052	2 166
2041611	RYE FLOUR STOCKS (1)	M CWT	14	(NA)
	24 HOUR CAPACITY (1)	DO	16	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	SEPTEMBER 1972	AUGUST 1972
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	21 547	21 293
MIDDLE ATLANTIC	2 490	2 441
NEW YORK	2 113	2 021
NORTH CENTRAL	12 541	12 466
OHIO	1 054	1 105
INDIANA	806	591
ILLINOIS	1 175	1 198
MICHIGAN	527	514
MINNESOTA	2 715	2 835
IOWA	490	478
MISSOURI	2 134	2 037
NEBRASKA	683	675
KANSAS	2 779	2 621
SOUTH ATLANTIC	650	954
EAST SOUTH CENTRAL	1 020	1 020
TENNESSEE	780	772
WEST SOUTH CENTRAL	1 095	1 280
OKLAHOMA	425	490
TEXAS	670	790
MOUNTAIN	1 173	1 222
MONTANA	316	275
UTAH	(D)	(D)
PACIFIC	2 078	1 910
WASHINGTON	679	618
OREGON	464	481
CALIFORNIA AND HAWAII	935	811

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(1,000 cwt.)

Country to which exported	August	July	8 months through August
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	676	399	2,539
Columbia.....	17	24	78
Brazil.....	19	10	56
Morocco.....	199	155	939
Other.....	441	210	1,466
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, DURUM FOR RELIEF OF CHARITY (0460120)			
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South Arabia.....	160	187	1,546
Ceylon.....	-	-	3,549
Indonesia.....	28	-	33
Korean Republic.....	306	297	1,098
Tunisia.....	-	-	7
Guinea.....	-	-	99
Congo.....	-	-	-
Other.....	436	896	5,432

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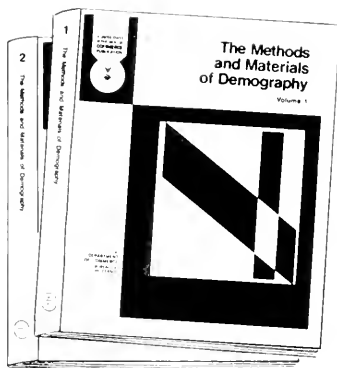
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At the same time, the materials of the United States are covered in great detail, especially with respect to sources, definitions, and historical developments. Plans for the enumeration, processing, and tabulation of the 1970 Census of the United States are included. The methodological material is presented in the simplest mathematical form and, for the most part, a knowledge of advanced mathematics is not required. The volumes benefit from the contribution of a number of specialists who participated as associate authors.

The two-volume book consists of about 26 subject chapters and three appendixes of reference tables, covering approximately 900 pages. It is printed in the large format of decennial census reports and bound in vellum.



The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
- Collection and processing of demographic data
- Population size and distribution
- Sex and age composition
- Racial and ethnic composition
- Marital characteristics and family groups
- Educational and economic characteristics
- Mortality and the life table
- Natality
- Reproductivity
- Marriage and divorce
- International migration, internal migration, and short-distance mobility
- Population estimates and projections
- Methods of estimation for statistically underdeveloped areas.

The preparation of the book was supported in part by the Office of Population, U.S. Agency for International Development.

The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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Flour Milling Products

October 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

November 1972

SERIES: M20A(72)-10

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
October.....	974	361	46,692
September.....	972	352	45,854
August.....	941	345	44,527
July.....	1,065	375	48,077
June.....	1,020	368	48,391
May.....	990	367	48,180
April.....	1,010	369	47,464
March.....	960	351	45,660
February.....	932	350	45,193
January.....	974	364	46,791
1971 ²			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486
November.....	969	361	45,945
October.....	1,022	375	47,629

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April, 1972.

Table 1B: Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day	Calendar month total						
1972								
October.....	1,022	22,476	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	45,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	377,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0
November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8
October.....	1,062	23,364	406,751	51,708	(NA)	1,013	104.8	75.3

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	OCTOBER 1972	SEPTEMBER 1972	OCTOBER 1971
			QUANTITY	QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 475	1 290	1 363
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	3 330	2 904	2 906
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	190	179	213
0011351	RYE GROUND FOR FLOUR	M BU	409	396	477
2041618	RYE MILLFEED PRODUCTION	TONS	2 060	2 052	3 028
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	34	(NA)
	24 HOUR CAPACITY (1)	DO	15	15	12

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIGUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	OCTOBER 1972	SEPTEMBER 1972	OCTOBER 1971
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	22 476	21 347	21 702
MIDDLE ATLANTIC	2 604	2 490	2 633
NEW YORK	2 206	2 113	2 495
NORTH CENTRAL	13 362	12 540	12 888
OHIO	1 163	1 054	1 214
INDIANA	657	588	636
ILLINOIS	1 144	1 152	1 224
MICHIGAN	609	527	637
MINNESOTA	2 879	2 711	2 642
IOWA	506	490	510
MISSOURI	2 179	2 134	1 936
NEBRASKA	668	683	722
KANSAS	3 112	2 823	3 016
SOUTH ATLANTIC	1 018	930	939
EAST SOUTH CENTRAL	1 011	1 041	948
TENNESSEE	763	808	711
WEST SOUTH CENTRAL	1 267	1 095	1 073
OKLAHOMA	522	425	306
TEXAS	745	670	765
MOUNTAIN	1 270	1 173	1 091
MONTANA	301	316	239
UTAH	(0)	(0)	(0)
PACIFIC	1 944	2 078	1 930
WASHINGTON	624	679	560
OREGON	467	464	440
CALIFORNIA AND HAWAII	853	935	910

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIGUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	September	August	9 months through September
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	214	676	2,753
Columbia.....	10	17	88
Brazil.....	7	19	63
Morocco.....	19	199	958
Other.....	178	441	1,644
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, DURUM FOR RELIEF OF CHARITY (0460120)			
Total.....	962	930	12,780
Brazil.....	-	-	54
South Arabia.....	246	160	1,792
Ceylon.....	-	-	3,549
Indonesia.....	-	28	33
Korean Republic.....	278	306	1,376
Tunisia.....	-	-	7
Guinea.....	20	-	119
Congo.....	-	-	-
Other.....	418	436	5,850

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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The Methods and Materials of Demography

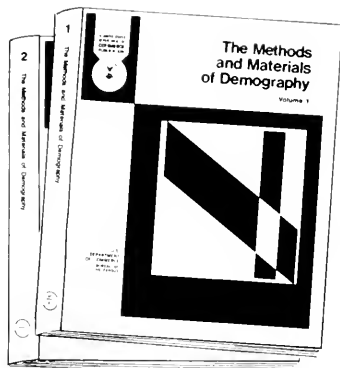
These two volumes offer a systematic and comprehensive exposition, with illustrations, of the methods currently used by technicians and research workers in dealing with demographic data. They are intended to serve both as texts for courses in demographic methods and as references for professional workers who use population data. The publications deal with the sources, limitations, underlying definitions, and bases of classification of demographic data, as well as with techniques and methods that have been developed for summarizing and analyzing them.

Topics covered include formal demography and the study of many social and economic characteristics of the population.

The derivation of the demographic measures described is usually illustrated in step-by-step examples using actual statistics, drawn from a wide range of geographic areas, both in the United States and abroad. Considerable emphasis is placed on the kinds of data available for statistically underdeveloped areas, as well as on the special methods applicable to these areas.

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The following is a list of some of the subjects treated and reflects the scope of the work:

- Basic sources of demographic statistics
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The principal authors are Henry S. Shryock, formerly Assistant Chief, Population Division, U.S. Bureau of the Census, and Jacob S. Siegel, Staff Assistant for Program Development, Population Division.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

November 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

January 1973

SERIES: M20A(72)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
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November.....	949	348	45,136
October.....	974	361	46,692
September.....	972	352	45,854
August.....	941	345	44,527
July.....	1,065	375	48,077
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²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B. Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day	Calendar month total						
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November.....	1,004	21,092	361,732	46,867	(NA)	1,013	99.1	75.0
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November.....	1,035	20,707	361,196	46,161	(NA)	1,013	102.3	74.8

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1972	OCTOBER 1972	NOVEMBER 1971
			QUANTITY	QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 180	1 475	1 374
2041159	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	2 779	3 110	2 652
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	184	185	199
0011351	RYE GROUND FOR FLOUR	M BU	404	405	458
2041618	RYE MILLFEED PRODUCTION	TONS	2 105	1 971	2 695
2041618	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)	(NA)
2041611	24 HOUR CAPACITY (1)	DO	15	15	12

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

	NOVEMBER 1972	OCTOBER 1972	NOVEMBER 1971
GEOGRAPHIC AREA	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	21 092	22 493	20 090
MIDDLE ATLANTIC	2 591	2 585	2 805
NEW YORK	2 164	2 181	2 403
NORTH CENTRAL	12 145	13 403	11 675
OHIO	1 022	1 163	1 054
INDIANA	582	658	565
ILLINOIS	1 150	1 146	1 076
MICHIGAN	379	616	594
MINNESOTA	2 578	2 884	2 490
IOWA	480	506	456
MISSOURI	1 958	2 197	1 894
NEBRASKA	695	668	683
KANSAS	2 928	3 120	2 510
SOUTH ATLANTIC	987	1 015	927
EAST SOUTH CENTRAL	978	1 003	911
TENNESSEE	755	763	694
WEST SOUTH CENTRAL	1 314	1 275	906
OKLAHOMA	528	522	229
TEXAS	786	753	677
MOUNTAIN	1 205	1 252	1 040
MONTANA	290	301	244
UTAH	(0)	(0)	(0)
PACIFIC	1 872	1 960	1 826
WASHINGTON	562	624	563
OREGON	462	483	385
CALIFORNIA AND HAWAII	848	853	878

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(0) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	October	September	10 months through October
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	438	214	3,191
Columbia.....	32	10	120
Brazil.....	3	7	66
Morocco.....	131	19	1,089
Other.....	272	178	1,916
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, DURUM FOR RELIEF OF CHARITY (0460120)			
Total.....	1,049	962	13,829
Brazil.....	50	-	104
South Arabia.....	261	246	2,053
Ceylon.....	-	-	3,549
Indonesia.....	-	-	33
Korean Republic.....	45	278	1,421
Tunisia.....	-	-	7
Guinea.....	-	20	119
Congo.....	-	-	-
Other.....	693	418	6,543

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

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An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

December 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

February 1973

SERIES: M20A(72)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted Wheat
Flour Milling: 1970 to 1972

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1972			
December.....	975	345	46,299
November.....	948	348	45,092
October.....	974	361	46,692
September.....	972	352	45,854
August.....	941	345	44,527
July.....	1,065	375	48,077
June.....	1,020	368	48,391
May.....	990	367	48,180
April.....	1,010	369	47,464
March.....	960	351	45,600
February.....	932	350	45,193
January.....	974	364	46,791
1971 ²			
December.....	895	338	44,425
November.....	915	331	43,751
October.....	950	345	44,903
September.....	986	355	46,477
August.....	1,011	366	47,855
July.....	1,004	372	48,137
June.....	999	366	47,204
May.....	1,002	368	48,096
April.....	971	357	45,926
March.....	957	354	45,740
February.....	996	368	46,435
January.....	1,025	366	46,831
1970 ²			
December.....	925	346	44,486

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B.--Summary of Wheat Flour Milling: 1970 to 1972

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day	Calendar month total						
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,016	98.8	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,015	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,370	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8
January.....	1,045	20,894	361,329	46,405	(NA)	988	105.7	75.0
1970								
December.....	943	20,754	361,167	46,147	4,329	988	95.5	75.0

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1972	NOVEMBER 1972	DECEMBER 1971
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 106	1 180	1 401
2041155	BLENDED SEMOLINA DURUM FLOUR	NO	(0)	(0)	(0)
0011373	DURUM WHEAT GROUND	M BU	2 616	2 779	2 725
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	199	184	201
0011351	RYE GROUND FOR FLOUR	M BU	416	404	448
204161A	RYE MILLFEED PRODUCTION	TONS	2 021	2 105	2 762
2041611	RYE FLOUR STOCKS (1)	M CWT	37	(NA)	18
	24 HOUR CAPACITY (1)	NO	13	10	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(1) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1972	NOVEMBER 1972	DECEMBER 1971
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	20 799	21 072	20 961
MIDDLE ATLANTIC	2 584	2 591	2 804
NEW YORK	2 148	2 164	2 876
NORTH CENTRAL	11 852	12 134	12 164
OHIO	938	1 026	1 074
INDIANA	554	582	624
ILLINOIS	1 013	1 153	1 122
MICHIGAN	347	361	665
MINNESOTA	2 679	2 578	2 684
IOWA	502	480	474
MISSOURI	1 967	1 958	1 678
NEBRASKA	661	695	642
KANSAS	2 817	2 928	2 644
SOUTH ATLANTIC	928	984	940
EAST SOUTH CENTRAL	978	970	947
TENNESSEE	759	747	744
WEST SOUTH CENTRAL	1 284	1 325	1 106
OKLAHOMA	504	528	511
TEXAS	780	797	595
MOUNTAIN	1 144	1 205	1 228
MONTANA	288	290	277
UTAH	(0)	(1)	(1)
PACIFIC	2 009	1 863	1 774
WASHINGTON	647	564	687
OREGON	456	448	277
CALIFORNIA AND HAWAII	906	851	810

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(1) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	November	October	11 months through November
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	417	438	3,608
Columbia.....	16	32	136
Brazil.....	21	3	87
Morocco.....	77	131	1,166
Other.....	303	272	2,219
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,664	1,049	15,493
Brazil.....	35	50	139
South Arabia.....	152	261	2,205
Ceylon.....	-	-	3,549
Indonesia.....	18	-	51
Korean Republic.....	-	45	1,421
Tunisia.....	-	-	7
Guinea.....	-	-	119
Congo.....	-	-	-
Other.....	1,459	693	8,002

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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56. 216:

Flour Milling Products

Summary for 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

September 1973

SERIES: M20A(72)-13

Change Sheet

The daily capacity of wheat production by geographic area as published in table 4 of the Flour Milling Products Summary for 1972, issued May 1973, has been revised as shown below:

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1972 AND 1971

Geographic area	1972		1971	
	Wheat flour production		Wheat flour production	
	Daily (24 hour) capacity ¹	Percent of estimated annual capacity ²	Daily (24 hour) capacity	Percent of estimated annual capacity
UNITED STATES, TOTAL ³	993,875 986,460	98.8	977,342 979,726	99.4 99.6
Mountain division.....	71,251 62,836	75.9 85.4	69,225 44,610	73.8 79.1
Utah.....	39,151 30,736	(D)	33,628 20,098	(D)

¹Revised from previously published figures. (D) Withheld to avoid disclosing figures for individual companies.

²Capacity as reported for December of each year. The data user should be aware that the daily (24 hour) capacity data for January and February 1973 should read 994,000 cwt. sacks rather than the 1,026,000 cwt. sacks previously published in the M20A. This reflects the above revised data for December 1972.

³Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1972 and 257 for 1971. This figure is calculated on the basis of a 5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

The data user should be aware that the revision to the daily capacity figure will change the percent of estimated annual capacity figure for each State. The changes are considered insignificant and excluded from this report.



56. 216:

Flour Milling Products

Summary for 1972



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

May 1973

SERIES: M20A(72)-13

This report includes statistics for all the months of 1972 and 1971. All revisions in this series compiled for these years, including more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1972 amounted to 250.4 million cwt. sacks about 0.6 million cwt. sacks above the 1971 production which, in turn was approximately 4.6 million cwt. above the production for 1967. Production figures in 1972 and 1971 were at 98.8 and 99.9 percent, respectively, of total annual capacity.

Wheat mills in 1972 and 1971 ground 557.8 and 555.1 million bushels of wheat; corresponding mill feed production figures for these years were 4,303 and 4,279 thousand tons.

Production of rye flour in 1972 amounted to 2,248 thousand cwt. sacks, compared with 2,367 thousand cwt. sacks in 1971. Rye grindings in 1972 and 1971 were 4,871 and 5,281 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheat-milling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products. The quantity figures for 1967 and 1963 were 245,703 and 267,530 thousand cwt., respectively. The production figures for these years as published in table 1 of this report are 245,240 and 260,007 thousand cwt. sacks, respectively.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief of the Foods, Textiles, Apparel, and Leather Branch. Kenneth I. Hansen, Chief, Foods, assisted by Louise R. Kluge, was directly responsible for the review of the data and preparation of the report. Elmer S. Biles, Chief of the Division and Louis J. Owen, Assistant Chief for Commodity and Industry Programs, provided overall direction, and coordination to this project.

Table 1.-- SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1941 to 1972

Year	Wheat flour production (1,000 cut. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cut. sacks of flour		Flour extraction rate (percent) ¹
				Wheat	Mill feed	
1941.....	216,800	504,300	4,356	139.6	40.2	71.6
1942.....	221,100	515,300	4,411	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,598	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,499	701,799	5,913	137.8	38.7	72.6
1948.....	279,130	639,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,111	4,534	139.6	40.3	71.6
1951.....	229,292	535,235	4,626	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,405	514,028	4,440	139.3	40.1	71.8
1955.....	225,618	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	548,532	4,584	137.8	38.1	72.6
1958.....	248,004	566,688	4,713	137.1	38.0	72.9
1959.....	250,568	570,850	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	264,653	591,654	4,890	135.7	37.4	73.7
1965.....	259,384	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.1
1967.....	245,240	549,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,619	4,511	134.5	35.5	74.4
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	563,711	4,409	133.6	34.8	74.8
1971.....	249,810	555,092	4,279	133.3	34.3	75.0
1972.....	250,441	557,801	4,303	133.6	34.4	74.8

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cut. sacks.

¹Wheat flour production as compared with the amount of wheat ground.

²Based on 1954 Census of Manufactures. See Census report

NC-20D, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTHS: 1972 AND 1971

Month	Seasonally adjusted			Unadjusted						
	Wheat flour production average per working day '1,000 cut. sacks'	Wheat ground for flour '1,000 bushels'	Mill feed production '1,000 tons'	Wheat flour production '1,000 cut. sacks'		Wheat ground for flour '1,000 bushels'	Mill feed production '1,000 tons'	Average pounds per cut. sack of flour		Flour extraction rate percent
				Average per working day	Calendar month total			Wheat	Mill feed	
1972, total....	(X)	(X)	(X)	970	250,441	557,801	1,303	133.6	34.4	74.8
January.....	974	16,731	364	986	20,704	45,942	356	133.1	34.4	75.1
February.....	932	15,193	350	952	19,991	44,464	342	133.4	34.2	74.9
March.....	960	15,600	351	946	21,058	46,882	361	133.6	34.3	74.9
April.....	1,010	17,464	369	983	19,654	43,792	338	133.7	34.4	74.6
May.....	990	18,180	367	958	21,083	46,897	359	133.3	34.1	74.9
June.....	1,020	18,391	368	961	21,133	47,171	363	133.9	34.4	74.8
July.....	1,065	18,677	375	991	19,811	44,155	343	133.7	34.6	74.8
August.....	941	14,527	345	926	21,293	47,459	369	133.7	34.7	74.8
September.....	972	14,854	352	1,067	21,317	47,713	369	134.1	34.6	74.7
October.....	974	15,692	361	1,022	22,493	50,121	384	133.7	34.8	74.8
November.....	918	15,092	348	1,005	21,072	46,822	361	133.3	34.3	75.0
December.....	975	16,299	345	1,010	20,799	46,380	358	133.8	34.4	74.7
1971, total....	(X)	(X)	(X)	972	249,810	555,092	1,279	133.3	34.3	75.0
January.....	1,025	16,831	366	1,015	20,894	46,405	361	133.3	34.6	75.0
February.....	996	16,435	368	988	19,761	44,038	345	133.7	34.9	74.8
March.....	957	15,740	354	913	21,064	46,705	363	133.4	34.6	75.0
April.....	971	15,926	357	891	19,662	43,525	335	132.8	34.1	75.3
May.....	1,002	18,096	368	1,011	20,246	44,970	347	133.5	34.3	74.9
June.....	999	17,204	366	954	20,991	46,658	366	133.3	34.9	75.0
July.....	1,004	18,137	372	919	20,225	45,164	349	134.0	34.5	74.6
August.....	1,011	17,855	366	1,007	22,164	49,303	378	133.7	34.1	74.8
September.....	986	16,477	355	1,051	22,137	49,301	378	133.6	34.2	74.8
October.....	950	14,902	345	1,033	21,702	48,166	368	133.2	33.9	75.1
November.....	915	13,751	331	957	20,090	44,492	338	132.9	33.6	75.2
December.....	895	14,425	338	911	20,961	46,265	351	132.4	33.5	75.5

X Not applicable.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, Day After New Year, Labor Day, Thanksgiving Day, and December 25.

²Wheat flour production as compared with amount of wheat ground.

Table 3.—COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS 1972 AND 1971

Month	Rye flour production 1,000 cwt. sacks	Rye ground for flour 1,000 bushels	Mill feed production tons	Average pounds ground per cwt. sack of flour		Flour extraction rate percent ¹
				Rye	Mill feed	
1972, TOTAL.....	2,248	4,871	25,538	121.3	22.7	82.4
January.....	223	501	3,162	125.8	28.4	79.4
February.....	185	402	2,231	121.7	24.1	82.1
March.....	199	431	2,664	121.3	20.7	82.1
April.....	179	380	1,924	118.9	21.5	84.1
May.....	159	343	1,811	120.8	22.8	82.7
June.....	191	411	2,180	120.5	22.8	82.9
July.....	179	379	1,857	118.6	20.7	84.3
August.....	182	403	2,166	124.0	23.8	80.6
September.....	179	396	2,052	123.9	22.9	80.7
October.....	189	405	1,973	120.0	20.9	83.3
November.....	184	404	2,105	123.0	22.9	81.3
December.....	199	416	2,021	117.1	20.3	85.4
1971, TOTAL.....	2,367	5,281	30,361	124.9	25.7	80.0
January.....	207	457	2,221	123.6	21.5	80.9
February.....	206	440	2,342	119.6	22.7	83.6
March.....	189	422	2,431	125.0	25.7	80.0
April.....	179	398	2,161	124.5	24.1	80.3
May.....	193	426	2,303	123.6	23.9	80.9
June.....	174	395	2,302	127.1	26.5	78.7
July.....	204	463	2,557	127.1	25.1	78.7
August.....	194	444	2,517	128.2	25.9	78.0
September.....	208	473	3,042	127.3	29.2	78.5
October.....	213	477	3,028	125.4	28.4	79.7
November.....	198	438	2,685	123.2	27.1	81.1
December.....	201	418	2,762	124.8	27.5	80.1

¹Rye flour production as compared with amount of rye ground.

Table 4.—COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1972 AND 1971

Geographic areas	Wheat ground for flour 1,000 bushels	1972			Wheat ground for flour 1,000 bushels	1971		
		Wheat flour production				Wheat flour production		
		Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²		Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²
UNITED STATES, TOTAL..	557,801	250,441	985,460	98.8	555,092	249,810	972,736	99.8
Middle Atlantic division..	61,831	28,062	111,527	97.9	69,976	31,891	109,400	113.4
New York.....	51,721	23,693	93,139	99.0	60,080	27,624	91,377	117.6
North Central Region.....	327,690	147,114	554,660	103.2	324,363	146,139	549,529	103.5
Ohio.....	28,474	12,416	52,495	92.0	29,917	13,057	56,645	89.7
Indiana.....	15,794	6,853	25,695	103.8	15,270	6,632	25,624	100.7
Illinois.....	31,372	13,872	61,892	87.2	31,737	14,000	49,774	109.4
Michigan.....	14,199	6,236	19,576	124.0	16,003	7,120	34,029	81.4
Minnesota.....	68,586	31,443	114,631	106.7	64,041	29,526	106,851	107.5
Iowa.....	12,683	5,647	18,076	121.6	12,251	5,489	20,951	101.9
Missouri.....	52,865	24,109	79,881	117.4	51,164	23,385	81,900	111.1
Nebraska.....	19,175	8,225	32,023	99.9	18,833	8,166	32,023	99.2
Kansas.....	74,652	33,947	127,365	103.7	76,174	34,815	123,019	110.1
South Atlantic division..	26,134	11,341	51,142	86.3	25,407	11,094	49,800	86.7
East South Central division	27,323	11,955	53,322	87.2	25,615	11,142	52,409	82.7
Tennessee.....	20,373	9,125	33,135	107.2	19,080	8,337	32,133	101.0
West South Central division	33,310	14,946	66,801	87.1	30,434	13,488	59,217	88.6
Oklahoma.....	11,671	5,441	23,372	90.6	8,247	3,761	16,633	88.0
Texas.....	21,639	9,505	43,429	85.2	22,187	9,727	42,584	88.9
Mountain division.....	30,782	13,797	62,836	85.4	29,118	13,138	64,619	79.1
Montana.....	7,217	3,240	12,313	102.4	6,691	3,140	12,810	95.4
Utah.....	14,926	(D)	30,736	(D)	(D)	(D)	29,022	(D)
Pacific division.....	50,729	23,226	85,172	106.1	50,179	22,918	87,762	101.6
Washington.....	16,546	7,609	27,035	109.5	15,767	7,227	30,085	93.5
Oregon.....	12,408	5,669	23,725	93.6	11,169	5,056	23,025	85.4
California ³	21,775	9,948	34,412	112.5	23,243	10,635	34,652	119.4

¹Revised from previously published figures.

(D) Withheld to avoid disclosing figures for individual companies.

²Capacity as reported for December of each year. ³Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1972, and 257 for 1971. This figure is calculated on the basis of a⁴5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.⁵Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1972 AND 1971

Quarter	Production (1,000 cwt. sacks)	Mill stocks (1,000 cwt. sacks)
1971:		
First.....	61,756	4,542
Second.....	61,470	4,379
Third.....	62,451	4,886
Fourth.....	64,364	4,746
1970:		
First.....	61,659	4,732
Second.....	60,872	4,586
Third.....	64,526	4,861
Fourth.....	62,753	4,362

Table 6.--DURUM WHEAT PRODUCTS: 1972 and 1971

Item	1972		1971	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels).....	16,651	16,970	15,821	16,415
Straight semolina and durum flour produced (thousand sacks (cwt.)).....	7,571	7,415	7,347	7,904
Blended semolina and durum flour produced (thousand sacks (cwt.))...	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1972 AND 1971

Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total

import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufac- turers' production (1,000 cwt)	Exports of domestic merchandise ¹		Percent, exports to manufac- turers' production	Imports for consumption (1,000 cwt)	Calculated import duty (\$1,000)	Apparent consumption ⁴ (1,000 cwt)	Percent, imports to apparent consumption
		Quantity (1,000 cwt)	Value (\$1,000)					
1972								
Wheat flour.....	250,441	² 20,599	² 85,968	8.2	(³)	(NA)	⁵ 229,842	(NA)
Semolina and durum flour.....	14,986	² 94	² 420	0.6	(³)	(NA)	⁵ 14,892	(NA)
1971								
Wheat flour.....	249,810	² 20,556	² 83,556	8.2	(³)	(NA)	⁵ 229,254	(NA)
Semolina and durum flour.....	15,251	² 129	² 564	0.8	(³)	(NA)	⁵ 15,122	(NA)

(NA) Not available.

¹Source: Bureau of the Census Report FT 610, U.S. Exports of Domestic Merchandise; SIC-Based Products and Area.

²1972 and 1971 Schedule B codes 0460110, 0460120, 0460140, 0460150.

³1972 and 1971 Schedule B code 0460130.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also, see footnote 5 below.

⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated. (1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) Valuation.--Domestic producers' shipments, or production, are usually valued at the point of production--the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation--seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each commodity line in the table,

but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) Duplication in quantity and value of output.--Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) Low-value export and import transactions.--Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) Manufacturers' shipments, not specified by kind.--The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) Time lag between output and exports.--There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) "Direct" vs "total" commodity exports.--The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) Used commodities.--With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

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1962 to 1972



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September 1973

SERIES: M20A Supplement

This report presents seasonally adjusted data for a number of the most important series published monthly in Current Industrial Reports Series M20A, Flour Milling Products. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to factors that are not associated with a repetitive seasonal pattern.

The seasonal adjustments were made using the X-11 variant of the Census Bureau's seasonal adjustment program. The X-11 variant of the seasonal adjustment program has developed improved techniques for the treatment of extremes and a regression program to identify trading-day adjustment to the monthly aggregates. The trading-day routine is optional and has been used for the series presented in this publication. This program is amply described in the literature on this method. It should be noted that the data included in this report have not been adjusted on an establishment basis prior to tabulation for variation in the length of the reporting period such as 4-week, 5-week, or calendar month.

For each series included in this report the following tables are shown:

- (1) Seasonally-adjusted data.
- (2) Data without seasonal adjustment (original series).
- (3) Seasonal adjustment factors. The seasonally-adjusted data are obtained by dividing the unadjusted data by the seasonal factors for the specific month.
- (4) Average percentage changes and related measures for each series.

TRADING-DAY FACTORS

Variation in the rate of activity that arises from the existence of different numbers of trading days in the same month for different years can be an important cause of month-to-month irregular fluctuations. Unlike some other causes of irregular fluctuations such as unexpected economic developments, unusual weather, and statistical errors, trading-day irregularities can be approximately identified and removed so that the underlying trend-cycle stands out more clearly. Hence, it is often possible to reduce the irregular factor by a trading-day adjustment.

BRIEF DEFINITIONS OF MEASURES SHOWN IN TABLE 4

The following are brief definitions; more complete explanations appear in Electronic Computers and Business Indicators, by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from Journal of Business, October 1957).

"CI" is the average month-to-month percentage change, without regard to sign, in the seasonally adjusted series (i.e., the series after adjustment for measurable seasonal, trading-day, and holiday variations).

"I" is the same for the irregular component, obtained by dividing the cyclical component into the seasonally adjusted series.

"C" is the same for the cyclical component, a smooth, flexible moving average of the seasonally adjusted series.

"I/C" is a measure of the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is shown for 1-month spans and for spans of the period of MCD. When MCD is "6", no I/C ratio is shown for the MCD period.

"MCD" (months for cyclical dominance) provides an estimate of the appropriate time span

over which to observe cyclical movements in a monthly series. It is small for smooth series and large for irregular series. In deriving MCD, percentage changes are computed separately for the irregular component and the cyclical component over 1-month spans (Jan.-Feb., Feb.-Mar., etc.), 2-months spans (Jan.-Mar., Feb.-Apr., etc.), up to 12-month spans. Averages, without regard to sign, are then computed for the changes over each span. MCD is the shortest span in months for which the average percentage change (without regard to sign) in the cyclical component is larger than the average percentage change (without regard to sign) in the irregular component, and remains so. Thus, it indicates the point at which fluctuations in the seasonally adjusted series became dominated by cyclical rather than irregular movements. All series with the MCD greater than "5" are shown as "6."

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between 2 months, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series CI, irregular component I, cyclical component C, and the MCD curve. The MCD curve is an unweighted moving average (with the number of terms equal to MCD) of the seasonally adjusted series.

TABLE 1A.--WHEAT FOUR PRODUCTION, AVERAGE PER WORKING DAY, BY MONTHS

FINAL SEASONALLY ADJUSTED SERIES

(1,000 CWT SACKS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	1047.	1076.	1055.	1028.	1026.	1005.	1035.	1036.	1020.	1002.	1031.	1003.
1963	1004.	1030.	1031.	1059.	1082.	1038.	1070.	1044.	997.	1035.	1021.	1038.
1964	1083.	1002.	1008.	1074.	1049.	1316.	706.	971.	1038.	1067.	1044.	994.
1965	962.	904.	989.	963.	971.	1096.	930.	1007.	1013.	999.	965.	947.
1966	927.	986.	1008.	999.	1006.	1036.	1019.	983.	1012.	987.	964.	968.
1967	984.	973.	945.	970.	950.	957.	992.	978.	945.	945.	963.	992.
1968	1008.	969.	1019.	981.	954.	970.	1015.	990.	987.	995.	1033.	1001.
1969	943.	967.	974.	982.	1034.	1011.	980.	965.	1000.	985.	1068.	1100.
1970	1037.	1122.	1005.	1007.	932.	956.	958.	974.	984.	1007.	980.	948.
1971	1005.	1002.	966.	964.	998.	989.	995.	1001.	985.	951.	935.	917.
1972	951.	941.	972.	997.	990.	1008.	1049.	933.	969.	976.	972.	1000.

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, Memorial Day, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--MILLFEED PRODUCTION, BY MONTHS

FINAL SEASONALLY ADJUSTED SERIES

(THOUSANDS OF TONS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	419.	426.	418.	408.	402.	398.	406.	405.	397.	399.	408.	392.
1963	394.	404.	405.	417.	420.	403.	417.	405.	397.	407.	403.	405.
1964	424.	403.	401.	422.	429.	526.	297.	360.	411.	418.	417.	395.
1965	380.	358.	397.	384.	377.	431.	366.	392.	399.	390.	378.	386.
1966	374.	383.	392.	388.	386.	400.	396.	379.	394.	383.	373.	373.
1967	380.	374.	357.	369.	372.	369.	367.	374.	363.	365.	366.	375.
1968	384.	379.	388.	375.	356.	363.	390.	374.	368.	371.	380.	376.
1969	355.	359.	366.	370.	384.	378.	359.	367.	370.	369.	385.	394.
1970	380.	382.	374.	368.	362.	357.	363.	365.	370.	375.	364.	352.
1971	364.	368.	357.	355.	363.	363.	366.	369.	356.	345.	336.	345.
1972	359.	350.	355.	365.	362.	364.	366.	348.	354.	359.	355.	365.

TABLE 1C.--WHEAT GROUND FOR FLOUR

FINAL SEASONALLY ADJUSTED SERIES											(1,000 BUSHELS)	
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	50909.	51836.	50925.	49453.	49081.	48532.	49506.	49313.	48869.	48894.	50033.	47961.
1963	48392.	49628.	49635.	51419.	51759.	49863.	51415.	49609.	48284.	50339.	49473.	50082.
1964	52003.	49566.	48692.	51500.	52181.	63986.	35647.	46119.	50423.	51423.	50526.	47825.
1965	45731.	43298.	47580.	46260.	45733.	52898.	44159.	48081.	48568.	47807.	46479.	47186.
1966	46195.	46991.	48232.	47891.	47962.	49426.	48249.	46877.	48327.	47034.	46008.	45732.
1967	46729.	46086.	45340.	45664.	45777.	45554.	46432.	46350.	45112.	45445.	45413.	46838.
1968	48036.	47086.	48506.	46782.	45459.	45985.	47952.	47111.	46671.	48317.	48890.	47819.
1969	44943.	44794.	46228.	47416.	49556.	48226.	45806.	47060.	47616.	46633.	49656.	50039.
1970	48662.	50373.	47427.	47443.	46719.	45026.	46130.	46678.	46808.	47526.	46353.	44926.
1971	44832.	46679.	46014.	45591.	47065.	46808.	47391.	48553.	46477.	44949.	44315.	45043.
1972	46414.	45424.	46147.	47066.	47290.	47558.	47180.	45176.	45908.	46783.	46040.	46993.

TABLE 2A.--WHEAT FLOUR PRODUCTION, AVERAGE PER WORKING DAY, BY MONTHS

ORIGINAL SERIES											(1,000 CWT SACKS)	
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	1069.	1087.	1053.	972.	963.	958.	968.	1009.	1119.	1035.	1083.	1029.
1963	1005.	1035.	1062.	980.	1025.	1021.	986.	1040.	1070.	1072.	1111.	1019.
1964	1070.	1060.	999.	1011.	1050.	1230.	650.	992.	1111.	1137.	1116.	959.
1965	991.	891.	968.	900.	966.	1051.	875.	992.	1092.	1096.	997.	922.
1966	944.	965.	985.	969.	966.	999.	985.	957.	1082.	1074.	1006.	974.
1967	966.	951.	925.	961.	898.	915.	954.	952.	1049.	991.	1002.	1037.
1968	979.	970.	1041.	910.	908.	984.	928.	994.	1076.	1022.	1104.	1013.
1969	925.	949.	982.	923.	1010.	988.	891.	1022.	1057.	1016.	1167.	1098.
1970	1046.	1105.	970.	943.	944.	908.	869.	1011.	1055.	1062.	1035.	943.
1971	1045.	988.	913.	894.	1011.	954.	919.	1007.	1054.	1033.	957.	911.
1972	986.	952.	916.	983.	958.	961.	991.	926.	1067.	1022.	1005.	1040.

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, Memorial Day, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 2B.--MILLFEED PRODUCTION, BY MONTHS

ORIGINAL SERIES

(THOUSANDS OF TONS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	440.	405.	430.	379.	396.	375.	378.	433.	396.	443.	421.	380.
1963	411.	382.	410.	398.	414.	377.	398.	425.	400.	458.	412.	393.
1964	434.	390.	406.	411.	411.	507.	283.	390.	435.	462.	416.	396.
1965	373.	333.	414.	369.	360.	428.	342.	404.	426.	424.	384.	388.
1966	364.	354.	411.	371.	370.	399.	363.	401.	416.	412.	385.	373.
1967	372.	346.	372.	345.	365.	365.	335.	398.	382.	394.	378.	371.
1968	387.	366.	390.	355.	351.	352.	369.	391.	379.	411.	386.	374.
1969	362.	335.	364.	356.	373.	365.	345.	377.	387.	407.	385.	402.
1970	383.	357.	372.	352.	347.	353.	350.	373.	393.	407.	361.	361.
1971	361.	345.	363.	335.	347.	366.	349.	378.	378.	368.	338.	351.
1972	356.	342.	361.	338.	359.	363.	343.	369.	369.	384.	361.	358.

TABLE 2C.--WHEAT GROUND FOR FLOUR

ORIGINAL SERIES

(1,000 BUSHELS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	53532.	49417.	52606.	46225.	48021.	45677.	46130.	52865.	48371.	54140.	51743.	46626.
1963	50248.	47017.	50550.	49005.	51105.	46520.	49215.	51990.	48798.	56105.	50558.	48591.
1964	53308.	47878.	49688.	50225.	49908.	61557.	34215.	47324.	52968.	56463.	50765.	47910.
1965	44864.	40248.	50079.	44630.	43473.	52139.	41509.	49302.	51815.	51793.	47175.	47697.
1966	44909.	43495.	50866.	45742.	45542.	49309.	44581.	49402.	51048.	50662.	47259.	45778.
1967	45614.	42748.	47865.	42692.	44422.	44911.	42817.	48928.	47180.	49105.	47016.	46503.
1968	48368.	45637.	49019.	44492.	44374.	44119.	45852.	48950.	48042.	53606.	49523.	47667.
1969	45888.	42038.	46121.	45631.	47623.	46457.	44119.	47974.	49519.	51894.	49344.	51348.
1970	48905.	47424.	47089.	45834.	44500.	44126.	44700.	47440.	49361.	51708.	46161.	46147.
1971	46405.	44038.	46705.	43525.	44970.	46658.	45164.	49403.	49301.	48166.	44492.	46265.
1972	45942.	44464.	46882.	43772.	46897.	47174.	44155.	47459.	47634.	50090.	46822.	46380.

TABLE 3A.--WHEAT FLOUR PRODUCTION, AVERAGE PER WORKING DAY, BY MONTHS

FINAL COMBINED FACTORS

(PERCENT)

(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	102.116	100.983	99.798	94.570	93.888	95.293	93.535	97.414	109.721	103.292	105.047	102.591
1963	100.147	100.487	102.990	92.522	94.763	98.374	92.120	99.597	107.334	103.570	108.819	98.207
1964	98.789	105.826	99.102	94.153	100.098	93.499	92.112	102.180	107.028	106.524	106.932	96.431
1965	102.990	98.604	97.902	93.494	99.504	95.929	94.075	98.505	107.801	109.705	103.367	97.316
1966	101.871	97.911	97.702	97.022	96.020	96.427	96.689	97.314	106.907	108.868	104.352	100.601
1967	98.207	97.713	97.905	99.103	94.570	95.648	96.211	97.311	110.955	104.867	104.043	104.540
1968	97.118	100.087	102.164	92.717	95.156	101.393	91.434	100.400	109.042	102.690	106.887	101.189
1969	98.102	98.109	100.842	93.947	97.689	97.686	90.954	103.713	105.711	103.110	109.305	99.862
1970	100.902	98.505	96.517	93.658	101.234	94.964	90.737	103.826	107.226	105.420	105.625	99.463
1971	104.023	98.604	94.472	92.711	101.254	96.424	92.368	100.593	107.010	108.672	102.390	99.378
1972	103.723	101.195	94.272	98.583	96.726	95.355	94.462	99.267	110.141	104.668	103.350	104.023

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY: ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	98.862	99.001	96.083	95.274	96.626	99.157	91.150	99.771	112.844	103.194	102.208	103.312

Note: The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, Memorial Day, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 3B.--MILLFEE PRODUCTION, BY MONTHS

FINAL COMBINED FACTORS

(PERCENT)

(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	105.050	95.037	102.803	92.999	98.532	94.211	93.177	106.988	99.676	111.134	103.108	96.922
1963	104.244	94.541	101.254	95.500	98.649	93.582	95.519	105.005	100.847	112.404	102.195	97.022
1964	102.310	96.768	101.262	97.434	95.842	96.400	95.395	102.704	105.872	110.410	99.866	100.368
1965	98.203	92.956	104.239	96.188	95.550	99.255	93.493	102.938	106.782	108.634	101.500	100.581
1966	97.216	92.460	104.754	95.509	95.938	99.873	91.610	105.662	105.716	107.604	103.225	100.000
1967	97.811	92.559	104.344	93.582	98.155	98.795	91.238	106.386	105.189	107.868	103.327	98.990
1968	100.792	96.520	100.466	94.700	98.547	96.924	94.708	104.604	102.907	110.874	101.497	99.389
1969	101.903	93.352	99.470	96.099	97.097	96.628	95.982	102.631	104.500	110.344	99.873	102.008
1970	100.801	93.550	99.389	95.707	95.940	98.800	96.310	102.214	106.279	108.408	99.277	102.510
1971	99.286	93.649	101.806	94.483	95.648	100.884	95.395	102.544	106.070	106.666	100.600	101.802
1972	99.078	97.636	101.802	92.599	99.169	99.598	93.688	106.080	104.291	106.882	101.600	98.006

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY: ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	102.617	93.947	100.000	92.312	99.858	99.201	94.459	105.768	102.723	109.918	100.099	97.412

TABLE 3C.--WHEAT GROUND FOR FLOUR

FINAL COMBINED FACTORS

(PERCENT)

(SEASONALS COMBINED WITH FINAL TRADING-DAY AND/OR PRIOR MONTHLY FACTORS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1962	105.152	95.334	103.300	93.473	97.841	94.117	93.181	107.202	98.980	110.729	103.417	97.217
1963	103.835	94.740	101.844	95.305	98.736	93.296	95.722	104.800	101.065	111.455	102.192	97.022
1964	102.510	96.594	102.046	97.524	95.645	96.204	95.982	102.613	105.048	109.800	100.473	100.178
1965	98.105	92.956	105.253	96.475	95.059	98.565	94.000	102.538	106.686	108.338	101.498	101.082
1966	97.217	92.559	105.461	95.513	94.954	99.764	92.398	105.557	105.630	107.714	102.718	100.100
1967	97.613	92.758	105.570	93.492	97.040	98.588	92.214	105.562	104.585	108.054	103.531	99.286
1968	100.690	96.923	101.057	95.105	97.614	95.942	95.620	103.900	102.938	110.947	101.295	99.682
1969	102.102	93.848	99.768	96.235	96.100	96.332	96.317	101.942	103.996	111.282	99.372	102.617
1970	100.500	94.145	99.288	96.608	95.251	98.002	96.900	101.632	105.453	108.800	99.586	102.718
1971	99.089	94.343	101.501	95.469	95.549	99.679	95.300	101.750	106.076	107.158	100.399	102.714
1972	98.983	97.887	101.592	93.002	99.169	99.192	93.587	105.054	103.987	107.069	101.698	98.695

COMBINED FINAL SEASONAL AND TRADING-DAY FACTORS ONLY, ONE YEAR AHEAD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973	102.414	94.740	99.400	93.571	99.670	98.404	94.067	105.468	102.214	110.222	100.198	98.198

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

January 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

March 1973

SERIES: M20A(73)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
January.....	989	369	46,782
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971 ²			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949
September.....	965	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

COMBINED FINAL SEASONAL AND TRADING DAY FACTORS ONE YEAR AHEAD: 1973

Item	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Flour production average per day.....	98,882	99,001	96,083	95,274	96,626	99,157	91,150	99,771	112,844	103,194	102,208	103,312
Millfeed production.....	102,617	93,947	100,000	92,312	99,858	99,201	94,459	103,768	102,723	109,918	100,099	97,412
Wheat grindings.....	102,414	94,740	99,400	93,571	99,670	98,404	94,067	105,468	102,219	110,222	100,138	98,198

Table 1B--Summary of Wheat Flour Milling: 1971 to 1973

(Unadjusted)

Month and year	Wheat flour production 1,000 cwt.		Milled production tons	Wheat ground for flour 1,000 bushels	Wheat flour mill stocks ² 1,000 cwt.	Daily 24-hour capacity in wheat flour ² 1,000 cwt.	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
January.....	978	21,507	378,627	47,912	NA	1,013	96.5	74.8
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	NA	1,016	98.8	75.0
October.....	1,022	22,493	384,312	50,090	NA	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	NA	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	NA	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	NA	986	97.2	74.9
April.....	983	19,654	337,602	43,772	NA	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	NA	977	97.4	74.9
January.....	986	20,704	355,627	45,942	NA	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	NA	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	NA	994	103.9	75.1
September.....	1,054	22,137	337,730	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	NA	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	NA	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	NA	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	NA	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	NA	988	100.0	74.8
January.....	1,045	20,894	361,329	46,504	NA	988	105.7	75.0

Note. Data include estimates for small mills.

NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JANUARY 1973 QUANTITY	DECEMBER 1972 QUANTITY	JANUARY 1972 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 278	1 106	1 315
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(0)	(0)	(0)
0011173	DURUM WHEAT GROUND	M BU	2 932	2 616	2 911
	RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	213	199	223
0011951	RYE GROUND FOR FLOUR	M BU	401	416	501
2041618	RYE MILLFEED PRODUCTION	TONS	2 480	2 021	3 162
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	37	(NA)
	24 HOUR CAPACITY (1)	DO	12	13	11

Note: The product codes in this publication are based on the Standard Industrial Classification SIC as revised in the 1972 edition. The new product codes are shown in the table above. A comparison of old and new codes is shown below for your convenience in comparing prior periods' data.

Product code based on 1972 SIC	Product code based on 1967 SIC
0011173	0011173
0011351	0011951

D) Withheld to avoid disclosure of figures for individual companies.

NA Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JANUARY 1973 QUANTITY PRODUCED	DECEMBER 1972 QUANTITY PRODUCED	JANUARY 1972 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 507	20 799	20 704
MIDDLE ATLANTIC	2 601	2 584	2 262
NEW YORK	2 182	2 148	1 874
NORTH CENTRAL	12 666	11 852	12 516
OHIO	1 240	938	1 039
INDIANA	609	554	629
ILLINOIS	1 123	1 013	1 217
MICHIGAN	382	347	540
MINNESOTA	2 877	2 679	2 518
IOWA	480	502	425
MISSOURI	2 018	1 907	1 021
NEBRASKA	640	601	690
KANSAS	2 859	2 817	2 975
SOUTH ATLANTIC	949	928	951
EAST SOUTH CENTRAL	985	978	987
TENNESSEE	740	759	747
WEST SOUTH CENTRAL	1 259	1 284	1 270
OKLAHOMA	485	504	385
TEXAS	774	780	885
MOUNTAIN	1 177	1 104	1 080
MONTANA	278	288	208
UTAH	101	101	101
PACIFIC	1 870	2 009	1 698
WASHINGTON	555	647	534
OREGON	497	456	362
CALIFORNIA AND HAWAII	818	906	802

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	December	November	12 months through December
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	246	417	3,854
Columbia.....	16	16	152
Brazil.....	-	21	87
Morocco.....	134	77	1,300
Other.....	96	303	2,315
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,048	1,664	16,541
Brazil.....	-	35	139
Saudi Arabia.....	187	152	2,392
Indonesia.....	10	18	61
Korean Republic.....	67	-	1,488
Tunisia.....	-	-	7
Guinea.....	-	-	119
Congo.....	-	-	-
Other.....	784	1,459	12,335

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.


Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

February 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

March 1973

SERIES: M20A(73)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

**Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973**

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
February.....	988	364	45,939
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391
June.....	989	363	46,808
May.....	998	363	47,065
April.....	964	355	45,591
March.....	966	357	46,014
February.....	1,002	368	46,679

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1959-1972) is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B.--Summary of Wheat Flour Milling: 1971 to 1973

(Unadjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
February.....	979	19,574	342,341	43,523	(NA)	1,013	96.6	75.0
January.....	970	21,346	375,101	47,529	(NA)	1,013	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0
February.....	988	19,761	344,821	44,038	(NA)	988	100.0	74.8

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1973 QUANTITY	JANUARY 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 538	1 278
0011155	BLENDED SEMOLINA DURUM FLOUR	DO	(O)	(O)
0011173	DURUM WHEAT GROUND	M BU	3 443	2 932
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	199	213
0011951	RYE GROUND FOR FLOUR	M BU	440	461
2041618	RYE MILLFEED PRODUCTION	TONS	2 238	2 480
2041611	RYE FLOUR STOCKS (1)	M CWT	28	34
	24 HOUR CAPACITY (1)	DO	11 128	11 514

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(O) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.
(NA) NOT AVAILABLE.
(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1973 QUANTITY PRODUCED	JANUARY 1973 QUANTITY PRODUCED
UNITED STATES: TOTAL	19 574	21 346
MIDDLE ATLANTIC	2 324	2 601
NEW YORK	1 945	2 182
NORTH CENTRAL	11 538	12 517
OHIO	991	1 048
INDIANA	528	609
ILLINOIS	1 032	1 123
MICHIGAN	384	381
MINNESOTA	2 666	2 870
IOWA	456	480
MISSOURI	1 684	2 016
NEBRASKA	601	646
KANSAS	2 785	2 918
SOUTH ATLANTIC	901	958
EAST SOUTH CENTRAL	957	985
TENNESSEE	734	740
WEST SOUTH CENTRAL	1 248	1 238
OKLAHOMA	491	484
TEXAS	757	754
MOUNTAIN	1 045	1 177
MONTANA	253	278
UTAH	(O)	(O)
PACIFIC	1 561	1 870
WASHINGTON	458	555
OREGON	330	497
CALIFORNIA AND HAWAII	773	818

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(O) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	January	December	1 month through January
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OF CHARITY (0460110)			
Total.....	250	246	250
Columbia.....	-	16	-
Ecuador.....	22	(¹)	22
Brazil.....	26	-	26
Israel.....	22	(¹)	22
India.....	33	(¹)	33
Pakistan.....	25	(¹)	25
Sri Lanka (Ceylon).....	10	(¹)	10
Philippine Republic.....	27	(¹)	27
Morocco.....	59	134	59
Other.....	26	96	26
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,553	1,048	1,553
Nicaragua.....	49	(¹)	49
Jamaica.....	45	(¹)	45
Brazil.....	94	-	94
Iceland.....	27	(¹)	27
Jordan.....	200	(¹)	200
Saudi Arabia.....	119	187	119
Sri Lanka (Ceylon).....	566	(¹)	566
South Vietnam.....	183	(¹)	183
Korean Republic.....	109	67	109
Morocco.....	33	(¹)	33
Other.....	128	784	128

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

¹Included with other.

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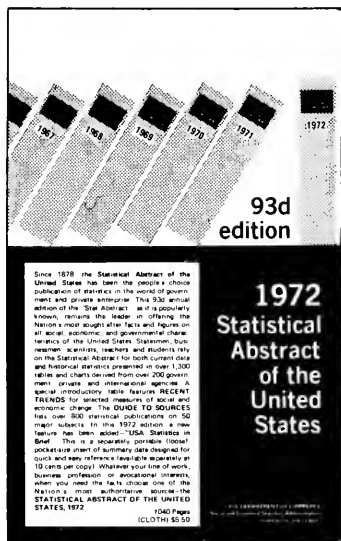
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Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

March 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

May 1973

SERIES: M20A(73)-3

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Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt.)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
March.....	1,014	369	47,961
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	351	45,808
August.....	933	348	45,176
July.....	1,019	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,515
October.....	951	345	44,949
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391
June.....	989	363	46,808
May.....	998	363	47,065
April.....	964	355	45,591
March.....	966	357	46,014

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1959-1972) is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B.--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day	Calendar month total						
1973								
March.....	975	21,451	368,866	47,674	5,581	1,026	95.0	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	1,013	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	1,013	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,910	43,525	(NA)	1,002	89.2	75.3
March.....	913	21,004	362,570	46,705	4,732	1,002	91.9	75.0

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MARCH 1973	FEBRUARY 1973
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,678	1,550
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	3,812	3,487
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	198	199
0011951	RYE GROUND FOR FLOUR	M BU	419	440
2041618	RYE MILLFEED PRODUCTION	TONS	2,322	2,238
2041611	RYE FLOUR STOCKS (1)	M CWT	21	28
	24 HOUR CAPACITY (1)	DO	10,988	11,128

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MARCH 1973	FEBRUARY 1973
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	21,451	20,023
MIDDLE ATLANTIC	2,603	2,324
NEW YORK	2,164	1,945
NORTH CENTRAL	12,040	11,697
OHIO	1,220	1,164
INDIANA	549	528
ILLINOIS	1,103	1,032
MICHIGAN	371	361
MINNESOTA	2,747	2,666
IOWA	480	456
MISSOURI	1,735	1,684
NEBRASKA	672	601
KANSAS	2,738	2,785
SOUTH ATLANTIC	1,003	901
EAST SOUTH CENTRAL	1,075	960
TENNESSEE	841	734
WEST SOUTH CENTRAL	1,487	1,498
OKLAHOMA	510	491
TEXAS	977	1,009
MOUNTAIN	1,158	1,045
MONTANA	304	253
UTAH	(D)	(D)
PACIFIC	2,085	1,598
WASHINGTON	661	458
OREGON	512	330
CALIFORNIA AND HAWAII	912	810

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	February	January	2 months through February
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	359	250	609
Guatemala.....	18	5	23
Columbia.....	25	-	25
Ecuador.....	2	22	24
Brazil.....	5	26	31
Israel.....	-	22	22
India.....	7	33	40
Pakistan.....	-	25	25
Sri Lanka (Ceylon).....	-	10	10
South Vietnam.....	14	-	14
Philippine Republic.....	28	27	55
Morocco.....	180	59	239
Other.....	80	21	101
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	611	1,553	2,164
Nicaragua.....	5	49	54
Jamaica.....	65	45	110
Brazil.....	4	94	98
Iceland.....	2	27	29
Jordon.....	80	200	280
Saudi Arabia.....	134	119	253
Sri Lanka (Ceylon).....	-	566	566
South Vietnam.....	92	183	275
Philippine Republic.....	57	3	60
Korean Republic.....	37	109	146
Morocco.....	-	33	33
Other.....	135	125	260

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

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EXPLANATION OF TERMS

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Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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CURRENT INDUSTRIAL REPORTS

Flour Milling Products

April 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

June 1973

SERIES: M20A(73)-4

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
April.....	964	334	15,732
March.....	995	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	36,040
October.....	976	359	46,783
September.....	969	354	45,804
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,117
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,919
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391
June.....	989	363	46,808
May.....	908	363	47,065
April.....	964	355	45,591

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series 1959-1972 is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 21-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
April.....	919	19,410	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,175	(NA)	1,013	98.8	75.1
January.....	970	21,316	375,101	47,529	(NA)	1,013	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,193	381,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,159	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	41,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	41,164	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	941	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,192	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,103	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	951	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9
April.....	894	19,662	334,940	43,525	(NA)	1,002	89.2	75.3

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

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³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1973	MARCH 1973
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,315	1,678
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	6,732	5,217
0011173	DURUM WHEAT GROUND	M BU	3,053	3,812
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	200	196
0011951	RYE GROUND FOR FLOUR	M BU	123	113
2041618	RYE MILLFEED PRODUCTION	TONS	2,240	2,290
2041611	RYE FLOUR STOCKS (1)	M CWT	17	22
	24 HOUR CAPACITY (1)	DO	11,170	10,930

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1973	MARCH 1973
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	19,310	21,051
MIDDLE ATLANTIC	2,417	2,638
NEW YORK	2,025	2,198
NORTH CENTRAL	11,161	11,846
OHIO	1,110	1,095
INDIANA	537	545
ILLINOIS	932	1,103
MICHIGAN	335	386
MINNESOTA	2,496	2,717
IOWA	453	480
MISSOURI	1,665	1,735
NEBRASKA	619	672
KANSAS	2,635	2,748
SOUTH ATLANTIC	869	957
EAST SOUTH CENTRAL	987	1,075
TENNESSEE	772	841
WEST SOUTH CENTRAL	1,065	1,262
OKLAHOMA	151	310
TEXAS	614	752
MOUNTAIN	984	1,338
MONTANA	211	304
UTAH	475	554
PACIFIC	1,827	2,085
WASHINGTON	538	661
OREGON	112	512
CALIFORNIA AND HAWAII	847	912

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	March	February	3 months through March
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	265	359	874
Guatemala.....	5	18	28
Colombia.....	42	25	67
Ecuador.....	-	2	24
Brazil.....	10	5	41
Israel.....	30	-	52
India.....	-	7	40
Pakistan.....	-	-	25
Sri Lanka (Ceylon).....	-	-	10
South Vietnam.....	-	14	14
Philippine Republic.....	-	28	55
Morocco.....	135	180	374
Other.....	43	80	144
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,622	611	3,786
Nicaragua.....	4	5	58
Jamaica.....	59	65	169
Brazil.....	2	4	100
Iceland.....	16	2	45
Jordan.....	1	80	281
Saudi Arabia.....	157	134	410
Sri Lanka (Ceylon).....	683	-	1,249
South Vietnam.....	28	92	303
Philippine Republic.....	6	57	66
Korean Republic.....	156	37	302
Morocco.....	-	-	33
Other.....	510	135	770

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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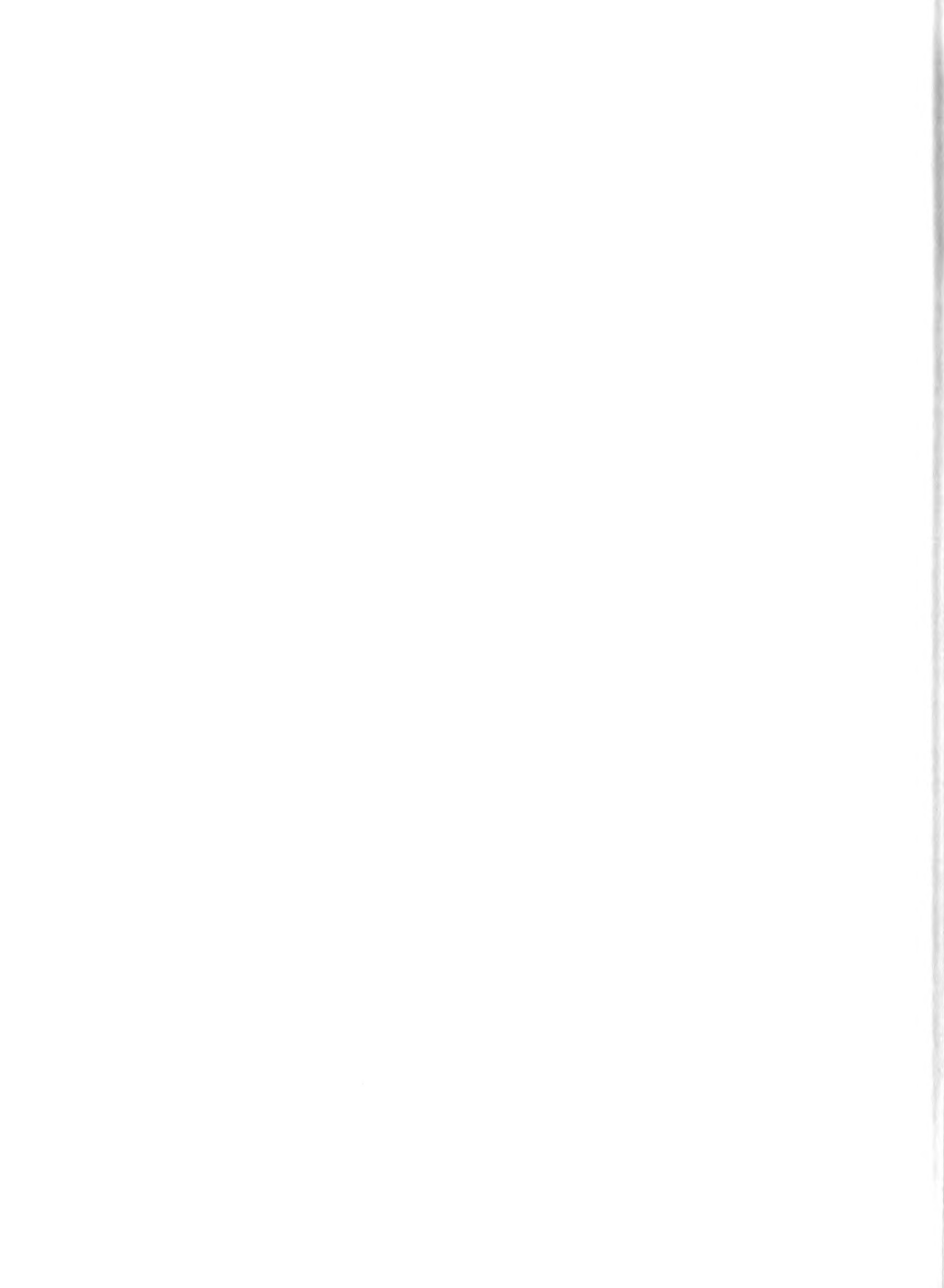
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Flour Milling Products

May 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

July 1973

SERIES: M20A(73)-5

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July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391
June.....	989	363	46,808
May.....	958	363	47,065

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1959-1972) is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ³ (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	1,013	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	1,013	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	946	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,325	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0
May.....	1,011	20,216	346,735	44,970	(NA)	1,002	100.9	74.9

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1973	APRIL 1973
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,377	1,315
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	3,093	3,053
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	260	200
0011951	RYE GROUND FOR FLOUR	M BU	571	423
2041618	RYE MILLFEED PRODUCTION	TONS	3,155	2,249
2041611	RYE FLOUR STOCKS (1)	M CWT	NA)	(NA)
	24 HOUR CAPACITY (1)	DO	11	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1973	APRIL 1973
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES: TOTAL	20,603	19,358
MIDDLE ATLANTIC	2,790	2,417
NEW YORK	2,372	2,025
NORTH CENTRAL	11,859	11,188
OHIO	1,131	1,110
INDIANA	580	537
ILLINOIS	1,042	932
MICHIGAN	310	335
MINNESOTA	2,731	2,500
IOWA	524	452
MISSOURI	1,793	1,665
NEBRASKA	619	649
KANSAS	2,725	2,658
SOUTH ATLANTIC	922	869
EAST SOUTH CENTRAL	1,039	996
TENNESSEE	798	772
WEST SOUTH CENTRAL	1,080	1,070
OKLAHOMA	386	451
TEXAS	694	619
MOUNTAIN	1,101	992
MONTANA	266	241
UTAH	(D)	(D)
PACIFIC	1,812	1,826
WASHINGTON	510	538
OREGON	377	442
CALIFORNIA AND HAWAII	895	846

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

Table 4.--EXPORTS OF WHEAT FLOUR

/1,000 cwt.

Country to which exported	April	March	4 months through April
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	217	265	1,121
Guatemala.....	6	5	31
Colombia.....	43	42	110
Ecuador.....	24	-	48
Brazil.....	-	10	41
Israel.....	12	30	61
India.....	-	-	40
Pakistan.....	5	-	39
Sri Lanka (Ceylon).....	1	-	11
South Vietnam.....	22	-	35
Philippine Republic.....	-	-	55
Morocco.....	-	135	374
Other.....	134	43	278
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,133	1,622	4,919
Nicaragua.....	5	4	63
Jamaica.....	20	59	189
Brazil.....	4	2	104
Iceland.....	21	16	65
Jordan.....	97	1	373
Saudi Arabia.....	138	157	548
Sri Lanka (Ceylon).....	351	683	1,600
South Vietnam.....	48	28	351
Philippine Republic.....	8	6	74
Korean Republic.....	252	156	554
Morocco.....	-	-	33
Other.....	189	510	959

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



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OFFICIAL BUSINESS



56. 216:

Flour Milling Products

June 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

August 1973

SERIES: M20A(73)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.—Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391
June.....	989	363	46,808

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1959-1972) is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B.--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,836	44,475	(NA)	1,013	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	1,013	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	1,013	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,193	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
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March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
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December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
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July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8
June.....	954	20,994	366,019	46,658	4,586	1,001	95.3	75.0

Note: Data include estimates for small mills.

¹(NA) Not available.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

³Collected quarterly.

⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 1.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS, AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1973 QUANTITY	MAY 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,056	1,377
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	2,389	3,093
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	221	260
0011951	RYE GROUND FOR FLOUR	M BU	497	571
2041618	RYE MILLFEED PRODUCTION	TONS	2,967	3,155
2041611	RYE FLOUR STOCKS (1)	M CWT	37	(NA)
	24 HOUR CAPACITY (1)	DO	16	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JUNE 1973 QUANTITY PRODUCED	MAY 1973 QUANTITY PRODUCED
UNITED STATES: TOTAL	19,771	20,606
MIDDLE ATLANTIC	2,687	2,790
NEW YORK	2,327	2,372
NORTH CENTRAL	11,263	11,867
OHIO	1,081	1,133
INDIANA	493	580
ILLINOIS	1,010	1,042
MICHIGAN	344	310
MINNESOTA	2,434	2,731
IOWA	540	524
MISSOURI	1,870	1,799
NEBRASKA	644	619
KANSAS	2,551	2,725
SOUTH ATLANTIC	884	925
EAST SOUTH CENTRAL	957	1,039
TENNESSEE	731	798
WEST SOUTH CENTRAL	1,148	1,080
OKLAHOMA	489	386
TEXAS	659	694
MOUNTAIN	1,036	1,101
MONTANA	284	266
UTAH	(D)	(D)
PACIFIC	1,796	1,804
WASHINGTON	544	540
OREGON	354	377
CALIFORNIA AND HAWAII	898	887

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	May	April	5 months through May
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	184	247	1,305
Guatemala.....	3	6	37
Colombia.....	-	43	110
Ecuador.....	-	24	48
Brazil.....	32	-	73
Israel.....	-	12	64
India.....	20	-	60
Pakistan.....	-	5	30
Sri Lanka (Ceylon).....	10	1	21
South Vietnam.....	11	22	47
Philippine Republic.....	19	-	74
Morocco.....	3	-	377
Other.....	86	134	364
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	977	1,133	5,896
Nicaragua.....	2	5	65
Jamaica.....	65	20	254
Brazil.....	11	4	115
Iceland.....	9	21	75
Jordan.....	105	97	483
Saudi Arabia.....	183	138	731
Sri Lanka (Ceylon).....	155	351	1,755
South Vietnam.....	34	48	385
Philippine Republic.....	-	8	74
Korean Republic.....	-	252	554
Morocco.....	-	-	33
Other.....	413	189	1,372

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

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56. 216:

CURRENT INDUSTRIAL REPORTS

Flour Milling Products

July 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

September 1973

SERIES: M20A(73)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (11,000 bushels)
1973			
July	1,041	364	47,219
June	949	345	44,474
May	968	355	45,959
April	964	354	45,732
March	995	358	47,059
February	1,011	368	46,944
January	980	366	46,404
1972			
December	1,000	365	46,993
November	972	355	46,040
October	976	359	46,783
September	969	354	45,808
August	933	348	45,176
July	1,049	366	47,180
June	1,008	364	47,558
May	990	362	47,290
April	997	365	47,066
March	972	355	46,147
February	941	350	45,424
January	951	359	46,414
1971			
December	917	345	45,043
November	925	336	44,315
October	951	345	44,949
September	965	356	46,477
August	1,003	368	48,553
July	995	366	47,391

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1959-1972) is published in the M20A Summary for 1972 released April 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturdays: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Data for 1971 and 1970 are taken from Current Industrial Reports Series M20A Supplement, Flour Milling Products, Summary for 1971 published April 1972.

Table 1B.--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Malfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
July.....	949	19,935	344,089	44,418	(NA)	1,003	94.6	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8

Note: Data include estimates for small mills.

¹(NA) Not available.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday, January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1973 QUANTITY	JUNE 1973 QUANTITY
DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,155	1,956
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	2,672	2,389
RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	204	224
0011951	RYE GROUND FOR FLOUR	M BU	454	506
2041618	RYE MILLFEED PRODUCTION	TONS	2,255	3,033
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	37
	24 HOUR CAPACITY (1)	DO	16	16

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1973 QUANTITY PRODUCED	JUNE 1973 QUANTITY PRODUCED
UNITED STATES: TOTAL	19,935	19,774
MIDDLE ATLANTIC	2,582	2,687
NEW YORK	2,209	2,327
NORTH CENTRAL	11,790	11,254
OHIO	1,081	1,079
INDIANA	523	495
ILLINOIS	973	1,010
MICHIGAN	282	335
MINNESOTA	2,532	2,434
IOWA	524	540
MISSOURI	1,857	1,870
NEBRASKA	686	644
KANSAS	2,937	2,551
SOUTH ATLANTIC	916	884
EAST SOUTH CENTRAL	984	955
TENNESSEE	730	729
WEST SOUTH CENTRAL	1,001	1,162
OKLAHOMA	443	493
TEXAS	558	669
MOUNTAIN	927	1,036
MONTANA	275	284
UTAH	(D)	(D)
PACIFIC	1,735	1,796
WASHINGTON	516	544
OREGON	391	354
CALIFORNIA AND HAWAII	828	898

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	June	May	6 months through June
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	258	184	1,563
Guatemala.....	-	3	37
Columbia.....	10	-	120
Ecuador.....	-	-	48
Brazil.....	1	32	74
Israel.....	25	-	89
India.....	17	20	77
Pakistan.....	-	-	30
Sri Lanka (Ceylon).....	-	10	21
South Vietnam.....	-	11	47
Philippine Republic.....	36	19	110
Morocco.....	126	3	503
Other.....	43	86	407
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	992	977	6,888
Nicaragua.....	31	2	96
Jamaica.....	115	65	369
Brazil.....	26	11	141
Iceland.....	6	9	81
Jordan.....	44	105	527
Saudi Arabia.....	179	183	910
Sri Lanka (Ceylon).....	220	155	1,975
South Vietnam.....	33	34	418
Philippine Republic.....	-	-	74
Korean Republic.....	84	-	638
Morocco.....	-	-	33
Other.....	254	413	1,626

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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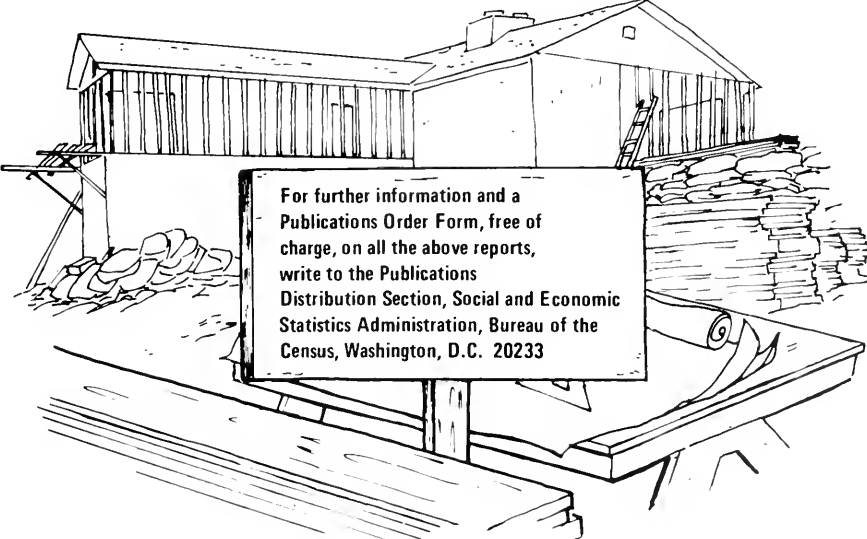
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Flour Milling Products

August 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

October 1973

SERIES: M20A(73)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

Table 1A.--Summary of Seasonally Adjusted Wheat
Flour Milling: 1971 to 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949
September.....	985	356	46,477
August.....	1,001	369	48,553
July.....	995	366	47,391

Note: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1962-72) is published in the M20A Seasonal Adjustment supplement, released September 1973. For further information about seasonal adjustment, refer to last page of this publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Table 1B.--Summary of Wheat Flour Milling: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
August.....	951	21,893	379,512	18,889	(NA)	1,003	94.9	74.6
July.....	955	20,068	347,790	11,681	(NA)	1,003	95.2	74.8
June.....	911	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	351,012	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	12,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	16,777	5,381	1,026	93.3	75.0
February.....	1,001	20,023	315,826	41,175	(NA)	991	98.8	75.1
January.....	970	21,316	375,101	17,529	(NA)	991	95.8	74.9
1972								
December.....	1,010	20,799	358,365	46,380	1,716	991	102.7	74.7
November.....	1,005	21,072	361,111	16,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,193	381,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	17,634	1,886	1,013	105.4	74.7
August.....	926	21,293	369,265	17,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,351	41,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	17,171	1,379	1,011	95.0	74.7
May.....	958	21,083	358,858	16,897	(NA)	986	97.2	74.9
April.....	983	19,651	337,602	13,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,251	16,882	1,512	986	92.9	74.9
February.....	952	19,991	341,770	14,464	(NA)	977	97.4	74.9
January.....	986	20,701	355,627	45,912	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	16,365	1,362	977	93.3	75.5
November.....	957	20,090	337,890	14,192	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,701	48,166	(NA)	994	103.9	75.1
September.....	1,051	22,137	337,750	19,301	1,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8
July.....	919	20,225	348,733	45,164	(NA)	1,001	91.8	74.8

Note: Data include estimates for small mills.

(NA) Not available. ² Revised.¹ The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.² Collected quarterly.³ Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1973 QUANTITY	JULY 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 491	1 155
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	3 414	2 672
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	236	184
0011961	RYE GROUND FOR FLOUR	M BU	517	468
2041618	RYE MILLFEED PRODUCTION	TONS	2 781	2 120
2041611	RYE FLOUR STOCKS (1)	M CWT	(NA)	(NA)
	24 HOUR CAPACITY (1)	DO	12 295	10 083

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1973 QUANTITY PRODUCED	JULY 1973 QUANTITY PRODUCED
UNITED STATES, TOTAL	21 422	20 068
MIDDLE ATLANTIC	2 889	2 529
NEW YORK	2 456	2 175
NORTH CENTRAL	12 828	11 775
OHIO	1 289	1 085
INDIANA	559	523
ILLINOIS	1 206	970
MICHIGAN	348	292
MINNESOTA	2 818	2 532
IOWA	594	524
MISSOURI	2 005	1 850
NEBRASKA	443	686
KANSAS	3 139	2 928
SOUTH ATLANTIC	965	916
EAST SOUTH CENTRAL	1 039	984
TENNESSEE	778	750
WEST SOUTH CENTRAL	1 088	1 001
OKLAHOMA	557	443
TEXAS	531	558
MOUNTAIN	1 236	1 128
MONTANA	272	275
UTAH	(D)	(D)
PACIFIC	1 877	1 735
WASHINGTON	533	516
OREGON	442	391
CALIFORNIA AND HAWAII	902	828

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	July	June	7 months through July
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	223	258	1,786
Guatemala.....	6	-	43
Columbia.....	-	10	120
Ecuador.....	-	-	48
Brazil.....	-	1	74
Israel.....	-	25	89
India.....	-	17	77
Pakistan.....	5	-	35
Sri Lanka (Ceylon).....	-	-	21
South Vietnam.....	-	-	47
Phillippine Republic.....	-	36	110
Morocco.....	212	126	715
Other.....	-	43	467
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,351	992	8,239
Nicaragua.....	-	31	96
Jamaica.....	17	115	386
Brazil.....	4	26	145
Iceland.....	2	6	83
Jordan.....	91	14	618
Saudi Arabia.....	108	179	1,018
Sri Lanka (Ceylon).....	444	220	2,419
South Vietnam.....	-	33	418
Philippine Republic.....	-	-	74
Korean Republic.....	255	84	893
Morocco.....	-	-	33
Other.....	430	254	2,056

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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OFFICIAL BUSINESS



Flour Milling Products

September 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

November 1973

SERIES: M20A(73)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1971 TO 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	343	44,649
September.....	985	356	46,477
August.....	1,001	369	48,553

Note 1: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1962-72) is published in the M20A Seasonal Adjustment supplement, released September 1973. For further information about seasonal adjustment, refer to last page of this publication.

Note 2: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1971 to 1973

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,003	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,003	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,492	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1
September.....	1,054	22,137	337,720	49,301	4,861	994	106.0	74.8
August.....	1,007	22,164	377,811	49,403	(NA)	1,001	100.6	74.8

Note: Data include estimates for small mills.

(NA) Not available. ¹Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

3

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1973 QUANTITY	AUGUST 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,431	1,491
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	3,529	3,114
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	229	237
0011951	RYE GROUND FOR FLOUR	M BU	519	534
2041618	RYE MILLFEED PRODUCTION	TONS	2,586	2,780
2041611	RYE FLOUR STOCKS (1)	M CWT	29	17
	24 HOUR CAPACITY (1)	DO	11	16

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	SEPTEMBER 1973 QUANTITY PRODUCED	AUGUST 1973 QUANTITY PRODUCED
UNITED STATES, TOTAL	21,589	22,017
MIDDLE ATLANTIC	2,811	2,911
NEW YORK	2,382	2,481
NORTH CENTRAL	12,639	12,853
OHIO	1,186	1,313
INDIANA	569	560
ILLINOIS	1,113	1,208
MICHIGAN	334	364
MINNESOTA	2,697	2,836
IOWA	575	554
MISSOURI	2,163	2,041
NEBRASKA	722	443
KANSAS	2,808	3,067
SOUTH ATLANTIC	970	972
EAST SOUTH CENTRAL	1,058	1,039
TENNESSEE	803	778
WEST SOUTH CENTRAL	923	1,088
OKLAHOMA	438	519
TEXAS	485	539
MOUNTAIN	1,227	1,298
MONTANA	315	272
UTAH	(D)	(D)
PACIFIC	2,000	1,856
WASHINGTON	630	533
OREGON	428	413
CALIFORNIA AND HAWAII	942	910

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIVIDUAL COMPANIES.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	August	July	8 months through August
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	211	223	1,997
Guatemala.....	-	6	43
Columbia.....	-	-	120
Ecuador.....	8	-	56
Brazil.....	-	-	74
Israel.....	25	-	114
India.....	-	-	77
Pakistan.....	1	5	36
Sri Lanka (Ceylon).....	-	-	21
South Vietnam.....	-	-	47
Philippine Republic.....	-	-	110
Morocco.....	32	212	747
Other.....	146	-	553
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,607	1,351	9,846
Nicaragua.....	1	-	97
Jamaica.....	41	17	427
Brazil.....	-	4	145
Iceland.....	27	2	110
Jordan.....	10	91	628
Saudi Arabia.....	236	108	1,254
Sri Lanka (Ceylon).....	188	444	2,607
South Vietnam.....	-	-	418
Philippine Republic.....	-	-	74
Korean Republic.....	-	255	892
Morocco.....	-	-	33
Other.....	1,104	430	3,160

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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56. 216:

Flour Milling Products

November 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

January 1974

SERIES: M20A(73)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1971 TO 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
November.....	963	359	46,181
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	985	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
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May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414
1971			
December.....	917	345	45,043
November.....	935	336	44,315
October.....	951	345	44,949

Note 1: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1962-72) is published in the M20A Seasonal Adjustment supplement, released September 1973. For further information about seasonal adjustment, refer to last page of this publication.

Note 2: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1971 TO 1973

Month and year	Wheat flour production (1,000 cwt)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	95.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,769	358,365	46,380	4,716	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
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July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5
November.....	957	20,090	337,800	44,192	(NA)	994	96.3	75.2
October.....	1,033	21,702	367,704	48,166	(NA)	994	103.9	75.1

Note: Data include estimates for small mills.

(NA) Not available. ^rRevised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1973 QUANTITY	OCTOBER 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
204153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,298	1,512
204155	BLENDED SEMOLINA DURUM FLOUR	DO	D	D
001173	DURUM WHEAT GROUND	M BU	3,054	3,584
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	227	243
0011951	RYE GROUND FOR FLOUR	M BU	511	546
2041618	RYE MILLFEED PRODUCTION	TONS	2,557	2,793
2041611	RYE FLOUR STOCKS (1).	M CWT	NA	NA
	24 HOUR CAPACITY (1).	DO	11,149	11,550

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

D Withheld to avoid disclosure of figures for individual companies. NA Not available.
 1 Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1973 QUANTITY PRODUCED	OCTOBER 1973 QUANTITY PRODUCED
UNITED STATES, TOTAL	20,657	22,005
MIDDLE ATLANTIC	2,687	2,876
NEW YORK	2,262	2,461
NORTH CENTRAL	12,294	13,010
OHIO	1,228	1,303
INDIANA	579	608
ILLINOIS	1,081	1,144
MICHIGAN	322	379
MINNESOTA	2,584	2,790
IOWA	510	555
MISSOURI	2,005	2,083
NEBRASKA	713	749
KANSAS	2,860	2,952
SOUTH ATLANTIC	934	1,008
EAST SOUTH CENTRAL	969	1,020
TENNESSEE	728	762
WEST SOUTH CENTRAL	1,041	1,017
OKLAHOMA	525	465
TEXAS	516	552
MOUNTAIN	1,044	1,250
MONTANA	225	296
UTAH	D	D
PACIFIC	1,688	1,824
WASHINGTON	479	521
OREGON	425	441
CALIFORNIA AND HAWAII	784	862

Note: Detail may not add to total due to independent rounding.

D Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	October	September	10 months through October
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	19	145	2,161
Guatemala.....	-	-	43
Colombia.....	-	12	132
Ecuador.....	-	9	65
Brazil.....	6	7	87
Israel.....	-	1	115
India.....	-	13	90
Pakistan.....	-	-	36
Sri Lanka (Ceylon).....	-	33	54
South Vietnam.....	-	-	47
Philippine Republic.....	7	13	130
Morocco.....	3	40	790
Other.....	3	17	573
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	611	482	10,939
Nicaragua.....	2	1	100
Jamaica.....	51	51	529
Brazil.....	-	-	-
Iceland.....	34	23	167
Jordan.....	-	29	657
Saudi Arabia.....	262	217	1,733
Sri Lanka (Ceylon).....	-	52	2,659
South Vietnam.....	-	-	418
Philippine Republic.....	31	2	107
Korean Republic.....	-	-	892
Morocco.....	-	-	33
Other.....	231	107	3,498

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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HUD Noise Assessment Guidelines Technical Background (Technical Background for Noise Abatement in HUD's Operating Programs).

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56.216:

Flour Milling Products

December 1973



U. S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF THE CENSUS

January 1974

SERIES: M20A(73)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1971 TO 1973

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1973			
December.....	1,015	365	47,773
November.....	963	359	46,181
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	368	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,117
February.....	941	350	45,424
January.....	951	359	46,114
1971			
December.....	917	345	45,043

Note 1: Beginning with the January 1973 report, the seasonal adjustment to the data appearing in table 1, has been updated to account for the monthly data published for 1972. The entire seasonally adjusted series (1962-72) is published in the M20A Seasonal Adjustment supplement, released September 1973. For further information about seasonal adjustment, refer to last page of this publication.

Note 2: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1971 TO 1973

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1973								
December.....	1,049	20,972	355,889	46,912	5,505	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,017	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	351,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	r 994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	r 994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	r 994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,351	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1
1971								
December.....	911	20,961	350,784	46,265	4,362	977	93.3	75.5

Note: Data include estimates for small mills.

(NA) Not available. ^r Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1973	NOVEMBER 1973
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,207	1,298
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	0	0
0011173	DURUM WHEAT GROUND	M BU	2,803	3,054
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	246	227
0011951	RYE GROUND FOR FLOUR	M BU	542	511
2041618	RYE MILLFEED PRODUCTION	TONS	2,749	2,557
2041611	RYE FLOUR STOCKS (1)	M CWT	30	30
2041611	24 HOUR CAPACITY (1)	DO	11,510	11,149

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

NA Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1973	NOVEMBER 1973
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	20,972	20,588
MIDDLE ATLANTIC	2,792	2,687
NEW YORK	2,371	2,262
NORTH CENTRAL	12,092	12,225
OHIO	1,131	1,211
INDIANA	585	578
ILLINOIS	1,151	1,073
MICHIGAN	327	322
MINNESOTA	2,649	2,554
IOWA	552	510
MISSOURI	2,051	2,009
NEBRASKA	548	713
KANSAS	2,678	2,840
SOUTH ATLANTIC	937	934
EAST SOUTH CENTRAL	1,058	969
TENNESSEE	815	728
WEST SOUTH CENTRAL	1,061	1,041
OKLAHOMA	596	525
TEXAS	558	516
MOUNTAIN	984	1,044
MONTANA	267	225
UTAH	D	D
PACIFIC	2,045	1,688
WASHINGTON	693	179
OREGON	456	425
CALIFORNIA AND HAWAII	894	784

Note: Detail may not add to total due to independent rounding.

D Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	November	October	11 months through November
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....		19	
Guatemala.....	(NA)	-	(NA)
Columbia.....		-	
Ecuador.....		-	
Brazil.....		6	
Israel.....		-	
India.....		-	
Pakistan.....		-	
Sri Lanka (Ceylon).....		-	
South Vietnam.....		-	
Philippine Republic.....		7	
Morocco.....		3	
Other.....		3	
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....		611	
Nicaragua.....	(NA)	2	(NA)
Jamaica.....		51	
Brazil.....		-	
Iceland.....		34	
Jordan.....		-	
Saudi Arabia.....		262	
Sri Lanka (Ceylon).....		-	
South Vietnam.....		-	
Philippine Republic.....		31	
Korean Republic.....		-	
Morocco.....		-	
Other.....		231	

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

(NA) Data not available at time of release.

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Flour Milling Products

Summary for 1973

Issued June 1974

SERIES: M20A(73)-13

This report includes statistics for all the months of 1973 and 1972. All revisions in this series compiled for these years, including more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1973 amounted to 249.3 million cwt. sacks about 1.1 million cwt. sacks below the 1972 production which, in turn was approximately 5.2 million cwt. above the production for 1967. Production figures in 1973 and 1972 were at 100.2 and 99.7 percent, respectively, of total annual capacity.

Wheat mills in 1973 and 1972 ground 555.3 and 557.8 million bushels of wheat; corresponding mill feed production figures for these years were 4,303 and 4,303 thousand tons.

Production of rye flour in 1973 amounted to 2,654 thousand cwt. sacks, compared with 2,248 thousand cwt. sacks in 1972. Rye grindings in 1972 and 1971 were 5,950 and 4,871 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheat-milling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products. The quantity figures for 1972 and 1967 were 253,882 and 245,703 thousand cwt., respectively. The production figures for these years as published in table 1 of this report are 250,441 and 245,240 thousand cwt. sacks, respectively.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief of the Foods, Textiles, Apparel, and Leather Branch. Kenneth I. Hansen, Chief, Foods, assisted by Ronald D. Scarlett was directly responsible for the review of the data and preparation of the report. Elmer S. Biles, Chief of the Division and Conrad J. Jacob, Assistant Chief for Commodity and Industry Programs, provided overall direction, and coordination to this project.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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For sale by the Publications Distribution Section, Social and Economic Statistics Administration, Washington, D.C. 20233 or any Department of Commerce District Office. Price: 15 cents per copy—\$1.50 per year

Table 1.-- SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1941 to 1973

Year	Wheat flour production (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sacks of flour		Flour extraction rate (percent) ¹
				Wheat	Mill feed	
1941.....	216,900	504,300	4,356	139.6	40.2	71.6
1942.....	221,190	515,300	4,444	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,598	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,499	704,799	5,913	137.8	38.7	72.6
1948.....	279,133	639,476	5,337	137.1	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,131	4,534	139.6	40.3	71.6
1951.....	229,292	535,235	4,596	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,105	511,028	4,440	139.3	40.1	71.8
1955.....	225,638	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	518,532	4,584	137.8	38.4	72.6
1958.....	248,094	566,688	4,713	137.1	38.0	72.9
1959.....	250,568	570,856	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,663	591,654	4,890	135.7	37.4	73.7
1965.....	250,384	561,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.4
1967.....	245,210	549,801	4,123	134.5	36.1	74.3
1968.....	254,185	568,649	4,511	134.5	35.5	74.1
1969.....	254,094	567,956	4,158	134.1	35.1	74.6
1970.....	253,094	563,714	4,409	133.6	34.8	74.8
1971.....	249,400	555,092	4,279	133.3	34.3	75.0
1972.....	259,111	557,801	4,303	133.6	34.4	74.8
1973.....	19,265	555,269	4,303	133.7	34.5	74.8

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

¹Wheat flour production as compared with the amount of wheat ground. ²Based on 1954 Census of Manufactures. See Census report MC-200, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTHS: 1973 and 1972

Month	Seasonally adjusted			Unadjusted				
	Wheat flour production average per working day (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Wheat flour production (1,000 cwt. sacks)		Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour
				Average per working day ¹	Calendar total			
1973, total.....	(X)	(X)	(X)	(X)	249,265	555,269	4,303	133.7
January.....	980	16,408	366	920	21,346	17,529	375	133.6
February.....	1,011	16,914	368	1,001	20,023	44,475	346	133.3
March.....	995	17,059	358	956	21,051	16,777	358	133.3
April.....	961	15,732	351	919	19,310	42,792	327	133.0
May.....	968	15,959	355	936	20,603	45,808	354	133.4
June.....	1,049	14,474	345	941	19,771	43,765	342	133.0
July.....	1,017	17,490	368	955	20,068	44,681	348	133.6
August.....	953	16,354	358	951	21,893	48,889	380	134.0
September.....	956	17,533	363	1,079	21,589	48,111	373	133.7
October.....	1,025	14,690	350	1,047	21,982	49,258	385	134.5
November.....	963	16,181	359	984	20,657	46,272	359	134.4
December.....	1,015	17,773	365	1,049	20,972	46,912	356	134.2
1972, total.....	(X)	(X)	(X)	(X)	250,441	557,801	4,303	133.6
January.....	974	16,791	344	986	20,701	45,942	356	133.1
February.....	932	15,193	350	952	19,994	44,164	342	133.4
March.....	969	15,600	351	916	21,058	46,882	361	133.6
April.....	1,010	17,164	364	983	19,654	43,792	358	133.7
May.....	990	18,180	367	958	21,083	46,897	359	133.5
June.....	1,020	18,391	368	961	21,133	47,174	363	133.9
July.....	1,065	18,077	375	991	19,811	44,155	343	133.7
August.....	941	14,527	315	926	21,293	47,459	369	133.7
September.....	972	14,854	352	1,067	21,342	47,713	369	134.1
October.....	974	16,602	361	1,022	22,493	50,121	381	133.7
November.....	948	15,092	348	1,005	21,072	46,822	361	133.3
December.....	975	16,299	345	1,040	20,799	46,380	358	133.8

(X) Not applicable.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Wheat flour production is compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS, 1973 AND 1972

Month	Rye flour production 1,000 cwt., sacks	Rye ground for flour 1,000 bushels	Mill feed production tons	Average pounds ground per cwt. sack of flour		Flour extraction rate percent. ¹
				Rye	Mill feed	
1973, TOTAL.....	2,664	5,950	31,041	126.2	23.1	79.8
January.....	213	461	2,480	124.2	23.3	82.5
February.....	199	490	2,338	130.0	22.5	80.8
March.....	196	413	2,290	118.0	23.4	84.7
April.....	200	423	2,240	116.1	22.1	84.4
May.....	260	471	3,155	123.0	21.3	81.3
June.....	224	506	3,033	126.5	27.1	79.1
July.....	181	468	2,120	112.4	23.0	70.2
August.....	237	534	2,780	126.2	23.5	79.3
September.....	234	535	3,609	128.0	22.3	78.1
October.....	234	516	2,793	130.7	23.9	76.5
November.....	227	411	2,357	126.1	22.5	79.3
December.....	246	442	2,719	123.1	22.3	81.0
1972, TOTAL.....	2,248	1,871	25,538	121.3	22.7	82.4
January.....	223	501	3,162	125.8	28.4	79.4
February.....	185	402	2,231	121.7	24.1	82.1
March.....	199	431	2,056	121.3	20.7	82.4
April.....	159	380	1,924	118.9	21.5	84.1
May.....	159	343	1,811	120.8	22.8	82.7
June.....	191	441	2,180	120.5	22.8	82.9
July.....	179	379	1,857	118.6	20.7	84.3
August.....	182	403	2,166	124.0	23.8	80.6
September.....	179	396	2,052	123.9	22.9	80.7
October.....	189	405	1,973	120.0	20.9	83.3
November.....	181	404	2,105	123.0	22.9	81.3
December.....	199	416	2,021	117.1	20.3	85.4

¹Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1973 AND 1972

Geographic areas	Wheat ground for flour 1,000 bushels	1973				1972			
		Wheat flour production				Wheat flour production			
		Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²	Wheat ground for flour 1,000 bushels	Total 1,000 cwt. sacks	Daily ¹ 24 hour capacity cwt. sacks	Percent of estimated annual capacity ²	
UNITED STATES, TOTAL...	555,269	219,265	979,794	100.2	557,801	250,441	993,875	98.8	
Middle Atlantic division...	70,775	32,042	113,096	111.5	61,831	28,062	111,527	98.7	
New York.....	59,184	27,155	94,386	113.3	51,721	23,693	93,139	99.8	
North Central Region.....	322,418	144,712	545,232	104.6	327,690	147,114	554,660	104.0	
Ohio.....	31,758	13,820	63,795	85.3	28,474	12,416	52,195	92.8	
Indiana.....	15,472	6,711	26,368	100.0	15,794	6,853	25,695	104.6	
Illinois.....	29,047	12,961	68,947	74.3	31,372	13,872	61,892	87.9	
Michigan.....	9,351	4,117	18,486	87.7	14,199	6,236	19,576	124.9	
Minnesota.....	69,615	32,010	112,608	111.9	68,586	31,413	114,631	107.6	
Iowa.....	13,829	6,202	19,076	128.0	12,683	5,647	18,076	122.5	
Missouri.....	50,658	22,927	83,123	108.6	52,865	21,109	79,881	118.4	
Nebraska.....	17,880	7,692	32,282	93.8	19,175	8,225	32,023	100.7	
Kansas.....	73,662	33,443	117,437	112.1	74,652	33,947	127,365	104.5	
South Atlantic division.....	25,835	11,220	51,860	85.2	26,134	11,341	51,142	87.0	
East South Central division	27,704	12,131	52,831	90.1	27,325	11,955	53,322	87.9	
Tennessee.....	20,982	9,252	32,681	111.5	20,373	9,125	33,135	108.0	
West South Central division	29,961	13,405	75,587	70.0	33,310	14,946	66,801	87.7	
Oklahoma.....	12,545	5,745	42,158	53.3	11,671	5,441	23,372	91.3	
Texas.....	17,416	7,660	33,429	94.0	21,639	9,505	43,429	85.8	
Mountain division.....	30,054	13,497	58,022	91.6	30,782	13,797	71,251	75.9	
Montana.....	7,037	3,276	10,075	128.0	7,247	3,240	12,313	103.2	
Utah.....	14,838	D	26,360	D	14,926	D	39,151	D	
Pacific division.....	48,522	22,228	83,166	105.2	50,729	23,236	85,172	106.9	
Washington.....	14,822	6,791	26,865	99.5	16,546	7,609	27,035	110.1	
Oregon.....	11,086	5,080	23,725	84.3	12,408	5,669	23,725	93.7	
California ³	22,614	10,357	32,576	125.2	21,775	9,948	34,412	113.1	

D. Withheld to avoid disclosing figures for individual companies.

¹Capacity as reported for December of each year. ²Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 254 for 1973, and 255 for 1972. This figure is calculated on the basis of a 24-hour week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25. ³Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1973 AND 1972

Quarter	Production (1,000 cwt sacks)	Mill stocks (1,000 cwt. sacks)
1973:		
First	62,420	5,581
Second	59,684	5,393
Third	63,550	4,174
Fourth	63,611	5,505
1972:		
First	61,756	4,542
Second	61,870	4,379
Third	62,451	4,886
Fourth	64,364	4,746

Table 6.--DURUM WHEAT PRODUCTS: 1973 AND 1972

Item	1973		1972	
	Jan 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels)	18,766	18,801	16,651	16,970
Straight semolina and durum flour produced (thousand sacks (cwt.))	8,254	8,124	7,571	7,415
Blended semolina and durum flour produced (thousand sacks (cwt.))	(D)	(D)	(D)	(D)

(D) withheld to avoid disclosing figures for individual companies

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1973 AND 1972

Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total

import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufacturers' production (1,000 cwt)	Exports of domestic merchandise		Percent, exports to manufacturers' production	Imports for consumption (1,000 cwt)	Calculated import duty (\$1,000)	Apparent consumption ⁴ (1,000 cwt)	Percent, imports to apparent consumption
		Quantity (1,000 cwt)	Value (\$1,000)					
	1973							
Wheat flour.....	249,265	² 16,018	² 104,643	6.2	(⁴)	(NA)	⁵ 233,247	(NA)
Semolina and durum flour.....	16,378	³ 89	³ 932	0.5	(⁴)	(NA)	⁵ 16,289	(NA)
	1972							
Wheat flour.....	250,441	² 20,599	² 85,968	8.2	(⁴)	(NA)	⁵ 229,842	(NA)
Semolina and durum flour.....	14,986	³ 94	³ 420	0.6	(⁴)	(NA)	⁵ 14,892	(NA)

(NA) Not available.

¹Source: Bureau of the Census Report FT 610, U.S. Exports of Domestic Merchandise: SIC-Based Products and Areas.²1972 and 1971 Schedule B codes 0460110, 0460120, 0460140, 0460150.³1972 and 1971 Schedule B code 0460130.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also, see footnote 5 below.⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated. (1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) Valuation.--Domestic producers' shipments, or production, are usually valued at the point of production--the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation--seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each commodity line in the table,

but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) Duplication in quantity and value of output.--Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) Low-value export and import transactions.--Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) Manufacturers' shipments, not specified by kind.--The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) Time lag between output and exports.--There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) "Direct" vs "total" commodity exports.--The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) Used commodities.--With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

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OFFICIAL BUSINESS





Flour Milling Products

January 1974

March 1974

SERIES: M20A(74)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
January.....	1,011	373	47,730
1973			
December.....	1,015	365	47,773
November.....	963	359	46,181
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	366	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424
January.....	951	359	46,414

Note: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 to 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
January.....	1,000	21,993	383,037	48,882	(NA)	982	98.2	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,565	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	856	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,375	(NA)	^r 994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	^r 994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	1,746	^r 994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,193	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,359	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1

Note: Data include estimates for small mills.

(NA) Not available. ^rRevised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1973	NOVEMBER 1973
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,218	1,187
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	D	D
0011173	DURUM WHEAT GROUND	M BU	2,882	2,802
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	262	246
0011951	RYE GROUND FOR FLOUR	M BU	575	542
2041618	RYE MILLFEED PRODUCTION	TONS	2,821	2,749
2041611	RYE FLOUR STOCKS (1)	M CWT	25	25
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

D) Withheld to avoid disclosure of figures for individual companies. NA Not available.

(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1973	NOVEMBER 1973
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	21,993	20,972
MIDDLE ATLANTIC	2,846	2,787
NEW YORK	2,436	2,371
NORTH CENTRAL	12,748	12,012
OHIO	1,263	1,131
INDIANA	599	552
ILLINOIS	1,120	1,136
MICHIGAN	348	327
MINNESOTA	2,040	2,649
IOWA	548	552
MISSOURI	2,050	2,051
NEBRASKA	660	541
KANSAS	2,876	2,673
SOUTH ATLANTIC	1,019	937
EAST SOUTH CENTRAL	1,049	1,058
TENNESSEE	790	815
WEST SOUTH CENTRAL	1,127	1,072
OKLAHOMA	543	506
TEXAS	584	566
MOUNTAIN	1,198	1,060
MONTANA	288	267
UTAH	D	D
PACIFIC	2,006	2,046
WASHINGTON	649	695
OREGON	453	456
CALIFORNIA AND HAWAII	904	895

Note: Detail may not add to total due to independent rounding.

D Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	December	November	12 months through December
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	240	(NA)	2,402
Guatemala.....	-		43
Columbia.....	9		141
Ecuador.....	1		66
Brazil.....	3		90
Israel.....	33		148
India.....	5		95
Pakistan.....	2		38
Sri Lanka (Ceylon).....	8		62
South Vietnam.....	-		47
Philippine Republic.....	7		137
Morocco.....	20		810
Other.....	152		725
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	910	(NA)	11,709
Nicaragua.....	7		107
Jamaica.....	46		575
Brazil.....	7		7
Iceland.....	30		197
Jordan.....	-		657
Saudi Arabia.....	391		2,124
Sri Lanka (Ceylon).....	-		2,659
South Vietnam.....	-		418
Philippine Republic.....	42		155
Korean Republic.....	-		892
Morocco.....	-		33
Other.....	387		3,885

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

(NA) Data not available at time of release.

DESCRIPTION OF SURVEY

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Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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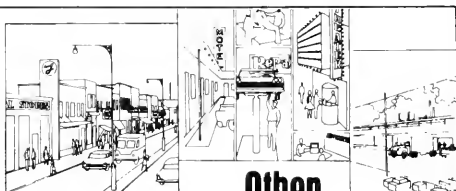
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OFFICIAL BUSINESS



6. 216:

Flour Milling Products

February 1974



April 1974

SERIES: M20A(74)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
February.....	1,074	373	47,621
January.....	1,011	373	47,730
1973			
December.....	1,015	365	47,773
November.....	963	359	46,191
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	366	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	351	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,117
February.....	941	350	45,424

Note: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



U.S. DEPARTMENT OF COMMERCE | Social and Economic Statistics Administration | BUREAU OF THE CENSUS

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
February.....	1,063	20,195	350,836	45,116	NA	982	92.4	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	982	98.2	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,003	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	1,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9

Note: Data include estimates for small mills.

(NA) Not available. ²Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1973 QUANTITY	JANUARY 1973 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,348	1,326
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	D	(D)
0011173	DURUM WHEAT GROUND	M BU	3,161	3,149
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	239	262
0011951	RYE GROUND FOR FLOUR	M BU	528	575
2041618	RYE MILLFEED PRODUCTION	TONS	2,376	2,821
2041611	RYE FLOUR STOCKS (1)	M CWT	25	25
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.
¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1973 QUANTITY PRODUCED	JANUARY 1973 QUANTITY PRODUCED
UNITED STATES, TOTAL	20,195	22,066
MIDDLE ATLANTIC	2,589	2,846
NEW YORK	2,246	2,436
NORTH CENTRAL	11,742	12,781
OHIO	1,156	1,263
INDIANA	548	599
ILLINOIS	1,099	1,120
MICHIGAN	332	348
MINNESOTA	2,602	2,840
IOWA	528	548
MISSOURI	1,924	2,062
NEBRASKA	581	660
KANSAS	2,523	2,897
SOUTH ATLANTIC	916	1,019
EAST SOUTH CENTRAL	993	1,049
TENNESSEE	757	790
WEST SOUTH CENTRAL	1,026	1,145
OKLAHOMA	461	543
TEXAS	565	602
MOUNTAIN	1,109	1,198
MONTANA	294	288
UTAH	D	D
PACIFIC	1,820	2,028
WASHINGTON	579	649
OREGON	407	479
CALIFORNIA AND HAWAII	834	900

Note: Detail may not add to total due to independent rounding.

D: Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	January	December	1 month through January
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	362	240	2,764
Guatemala.....	-	-	43
Columbia.....	-	9	141
Ecuador.....	-	1	66
Brazil.....	25	3	115
Israel.....	-	33	148
India.....	-	5	95
Pakistan.....	-	2	38
Sri Lanka (Ceylon).....	-	8	62
South Vietnam.....	-	-	47
Philippine Republic.....	24	7	161
Morocco.....	263	20	1,073
Other.....	50	152	775
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	914	910	12,623
Nicaragua.....	-	7	107
Jamaica.....	-	46	575
Brazil.....	3	7	10
Iceland.....	-	30	197
Jordan.....	8	-	665
Saudi Arabia.....	177	391	2,301
Sri Lanka (Ceylon).....	-	-	2,659
South Vietnam.....	-	-	418
Philippine Republic.....	-	42	155
Korean Republic.....	-	-	892
Morocco.....	-	-	33
Other.....	726	387	4,611

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

March 1974

Issued May 1974

SERIES: M20A(74)-3

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
March.....	982	364	46,341
February.....	1,071	373	47,514
January.....	1,011	373	47,730
1973			
December.....	1,015	365	47,773
November.....	963	359	46,181
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,474
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	366	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066
March.....	972	355	46,147
February.....	941	350	45,424

Note: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
March.....	944	20,760	364,253	46,063	5,297	1,013	93.2	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	982	92.6	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	982	98.2	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,316	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,896	1,013	105.4	74.7
August.....	936	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8
March.....	916	21,058	361,254	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9

Note: Data include estimates for small mills.

(NA) Not available. ^rRevised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MARCH 1974 QUANTITY	FEBRUARY 1974 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1 497	1 348
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	3 532	3 161
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	252	239
0011951	RYE GROUND FOR FLOUR	M BU	549	528
2041618	RYE MILLFEED PRODUCTION	TONS	2 707	2 576
2041611	RYE FLOUR STOCKS (1)	M CWT	27	27
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.
'Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MARCH 1974 QUANTITY PRODUCED	FEBRUARY 1974 QUANTITY PRODUCED
UNITED STATES, TOTAL	20 760	20 141
MIDDLE ATLANTIC	2 759	2 589
NEW YORK	2 433	2 246
NORTH CENTRAL	11 755	11 717
OHIO	1 205	1 159
INDIANA	530	548
ILLINOIS	1 003	1 999
MICHIGAN	375	345
MINNESOTA	2 785	2 577
IOWA	528	528
MISSOURI	1 765	1 924
NEBRASKA	681	581
KANSAS	2 411	2 507
SOUTH ATLANTIC	1 017	916
EAST SOUTH CENTRAL	1 041	993
TENNESSEE	798	757
WEST SOUTH CENTRAL	1 008	996
OKLAHOMA	435	461
TEXAS	573	535
MOUNTAIN	1 127	1 109
MONTANA	295	294
UTAH	(D)	(D)
PACIFIC	2 053	1 821
WASHINGTON	703	579
OREGON	449	407
CALIFORNIA AND HAWAII	901	835

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	February	January	2 months through February
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	163	362	2,927
Guatemala.....	4	-	47
Colombia.....	3	-	144
Ecuador.....	-	-	66
Brazil.....	-	25	115
Israel.....	-	-	148
India.....	-	-	95
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	-	-	62
South Vietnam.....	-	-	47
Philippine Republic.....	20	24	181
Morocco.....	81	263	1,154
Other.....	55	50	830
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,008	914	13,631
Nicaragua.....	-	-	107
Jamaica.....	90	-	665
Brazil.....	5	3	15
Iceland.....	25	-	222
Jordan.....	-	8	665
Saudi Arabia.....	277	177	2,578
Sri Lanka (Ceylon).....	-	-	2,659
South Vietnam.....	-	-	418
Philippine Republic.....	-	-	155
Korean Republic.....	56	-	948
Morocco.....	-	-	33
Other.....	555	726	5,166

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule 8 codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour wholly of U.S. wheat, except durum flour and semolina.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

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RELATED REPORTS

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EXPLANATION OF TERMS

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Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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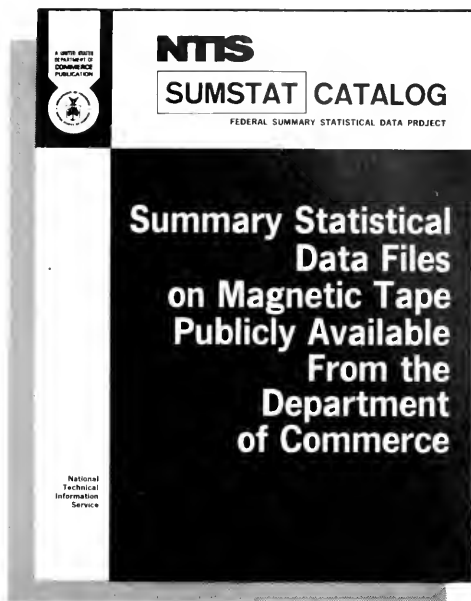
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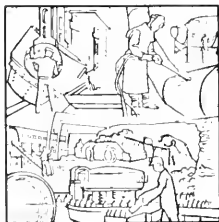
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OFFICIAL BUSINESS





Flour Milling Products

April 1974

Issued June 1974

SERIES: M20A(74)-4

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
April.....	884	354	44,355
March.....	982	364	46,341
February.....	1,071	373	47,514
January.....	1,011	373	47,730
1973			
December.....	1,015	365	47,773
November.....	963	359	46,181
October.....	1,015	350	44,690
September.....	956	363	47,533
August.....	953	358	46,354
July.....	1,047	368	47,499
June.....	949	345	44,471
May.....	968	355	45,959
April.....	964	354	45,732
March.....	995	358	47,059
February.....	1,011	366	46,944
January.....	980	366	46,408
1972			
December.....	1,000	365	46,993
November.....	972	355	46,040
October.....	976	359	46,783
September.....	969	354	45,808
August.....	933	348	45,176
July.....	1,049	366	47,180
June.....	1,008	364	47,558
May.....	990	362	47,290
April.....	997	365	47,066

Note: Data include from 2 to 5 percent estimation for nonresponse.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
April.....	842	18,532	326,399	41,503	(NA)	1,013	83.2	74.4
March.....	944	20,760	364,253	46,063	5,297	1,013	93.2	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	982	92.6	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	982	98.2	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,375	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
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December.....	1,040	20,799	358,365	46,380	4,746	^r 994	102.7	74.7
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August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
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May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.7	74.8

Note: Data include estimates for small mills.

(NA) Not available. ^rRevised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1974	MARCH 1974
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,057	1,197
2041155	PLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	2,394	3,532
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	232	252
0011951	RYE GROUND FOR FLOUR	M BU	510	551
2041618	RYE MILLFEED PRODUCTION	TONS	2,669	2,707
2041611	RYE FLOUR STOCKS (1)	M CWT	28	28
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.
(1) Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1974	MARCH 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	18,532	20,560
MIDDLE ATLANTIC	2,298	2,759
NEW YORK	1,964	2,433
NORTH CENTRAL	10,575	11,551
OHIO	998	1,186
INDIANA	490	528
ILLINOIS	870	1,003
MICHIGAN	332	375
MINNESOTA	2,548	2,785
IOWA	479	528
MISSOURI	1,612	1,765
NEBRASKA	629	664
KANSAS	2,247	2,245
SOUTH ATLANTIC	898	1,017
EAST SOUTH CENTRAL	873	1,041
TENNESSEE	659	798
WEST SOUTH CENTRAL	1,035	1,008
OKLAHOMA	463	435
TEXAS	572	573
MOUNTAIN	1,014	1,127
MONTANA	239	295
UTAH	(D)	(D)
PACIFIC	1,839	2,057
WASHINGTON	601	703
OREGON	462	449
CALIFORNIA AND HAWAII	776	905

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

Table 4.--EXPORTS OF WHEAT FLOUR

1,000 cwt.

Country to which exported	March	February	3 months through March
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	237	163	3,164
Guatemala.....	4	4	51
Colombia.....	5	3	149
Ecuador.....	9	-	75
Brazil.....	10	-	125
Israel.....	2	-	150
India.....	7	-	102
Pakistan.....	-	-	38
Sri Lanka Ceylon.....	15	-	77
South Vietnam.....	-	-	47
Philippine Republic.....	21	20	202
Morocco.....	40	81	1,194
Other.....	124	55	954
WHEAT FLOUR, WHOLLY OF U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	904	1,008	14,535
Nicaragua.....	-	-	107
Jamaica.....	66	90	731
Brazil.....	-	5	15
Iceland.....	21	25	243
Jordan.....	-	-	565
Saudi Arabia.....	140	277	2,718
Sri Lanka Ceylon.....	220	-	2,879
South Vietnam.....	-	-	418
Philippine Republic.....	37	-	192
Korean Republic.....	-	56	948
Morocco.....	-	-	33
Other.....	420	555	5,586

Note. Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

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Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

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Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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U.S. DEPARTMENT OF COMMERCE
Social and Economic Statistics Administration
BUREAU OF THE CENSUS
Washington, D.C. 20233

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OFFICIAL BUSINESS





Flour Milling Products

May 1974

Issued July 1974

SERIES: M20A(74)-5

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
May.....	887	344	43,481
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	357	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	997	358	46,894
February.....	996	362	46,407
January.....	961	367	46,864
1972			
December.....	1,038	359	46,161
November.....	972	361	47,293
October.....	967	358	46,544
September.....	992	352	45,428
August.....	920	355	45,557
July.....	1,052	355	45,754
June.....	991	369	48,297
May.....	976	368	47,807
April.....	1,039	359	46,346
March.....	954	362	46,992
February.....	949	356	46,457
January.....	980	350	45,469

Note: Data include from 2 to 5 percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in table 1C. Revised seasonal factors for 1972 as previously published in the Seasonal Adjustment Supplement, issued September 1973, are also shown in table 1C.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average Per working day ¹	Calendar month total						
1974								
May.....	872	19,179	336,565	42,795	(NA)	1,013	86.1	74.7
April.....	840	18,486	325,595	41,365	(NA)	1,013	83.0	74.5
March.....	944	20,760	364,253	46,063	5,297	1,013	93.2	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	982	92.6	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	982	98.2	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	982	93.6	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,836	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7
May.....	958	21,083	358,858	46,897	(NA)	986	97.2	74.9
April.....	983	19,654	337,602	43,772	(NA)	986	99.1	74.8
March.....	916	21,058	361,234	46,882	4,542	986	92.9	74.9
February.....	952	19,994	341,770	44,464	(NA)	977	97.4	74.9
January.....	986	20,704	355,627	45,942	(NA)	977	100.9	75.1

Note: Data include estimates for small mills.

NA: Not available. ²Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 1C.--COMBINED FINAL SEASONAL AND TRADING DAY FACTORS: 1972 TO 1974

Flour production	January	February	March	April	May	June	July	August	September	October	November	December
ONE YEAR AHEAD--1974												
Average per day.....	101,029	100,572	95,875	94,594	98,280	97,016	94,879	100,960	107,552	105,850	102,447	100,359
Millfeed production.....	102,280	95,701	99,602	93,934	97,747	98,425	97,595	104,204	104,595	106,930	99,251	99,349
Wheat grinding.....	101,609	95,901	99,742	94,221	98,422	97,668	97,070	104,254	104,887	107,428	98,246	100,235
1973												
Average per day.....	100,885	100,491	95,928	94,599	98,246	97,009	94,663	100,862	107,548	105,805	102,756	100,612
Millfeed production.....	102,088	95,579	99,678	93,946	97,688	98,455	97,329	104,168	104,592	107,045	99,481	99,466
Wheat grinding.....	101,420	95,837	99,750	94,296	98,313	97,670	96,881	104,228	104,877	107,491	98,499	100,314
1972												
Average per day.....	100,598	100,329	96,034	94,610	98,163	96,994	94,229	100,665	107,539	105,714	103,374	101,118
Millfeed production.....	101,706	95,337	99,830	93,969	98,572	98,514	96,795	104,097	104,587	107,274	99,940	99,700
Wheat grinding.....	101,041	95,709	99,766	94,416	98,096	97,674	96,505	104,175	104,857	107,618	99,004	100,474

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1974 QUANTITY	APRIL 1974 QUANTITY
DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,027	1,057
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	2,397	2,494
RYE:				
2041611	RYE FLOUR PRODUCTION	M CWT	202	232
0011951	RYE GROUND FOR FLOUR	M BU	444	510
2041618	RYE MILLFEED PRODUCTION	TONS	2,021	2,669
2041611	RYE FLOUR STOCKS (1)	M CWT	23	23
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1974 QUANTITY PRODUCED	APRIL 1974 QUANTITY PRODUCED
UNITED STATES, TOTAL	19,179	18,186
MIDDLE ATLANTIC	2,477	2,295
NEW YORK	2,113	1,964
NORTH CENTRAL	11,100	10,532
OHIO	1,079	998
INDIANA	698	490
ILLINOIS	918	870
MICHIGAN	303	319
MINNESOTA	2,447	2,393
IOWA	488	479
MISSOURI	1,741	1,612
NEBRASKA	642	648
KANSAS	2,393	2,353
SOUTH ATLANTIC	967	898
EAST SOUTH CENTRAL	885	873
TENNESSEE	866	659
WEST SOUTH CENTRAL	1,059	1,035
OKLAHOMA	469	463
TEXAS	590	572
MOUNTAIN	1,039	1,014
MONTANA	233	239
UTAH	(D)	(D)
PACIFIC	1,652	1,839
WASHINGTON	566	601
OREGON	361	462
CALIFORNIA AND HAWAII	725	776

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	April	March	1 months through April
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	176	237	3,640
Guatemala.....	3	4	54
Colombia.....	16	5	165
Ecuador.....	37	9	112
Brazil.....	11	10	136
Israel.....	63	2	213
India.....	17	7	119
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	12	15	89
South Vietnam.....	-	-	47
Philippine Republic.....	67	21	269
Morocco.....	137	40	1,331
Other.....	113	124	1,067
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	832	904	15,367
Nicaragua.....	9	-	116
Jamaica.....	71	66	802
Brazil.....	22	-	37
Iceland.....	31	21	274
Jordan.....	-	-	665
Saudi Arabia.....	129	140	2,847
Sri Lanka (Ceylon).....	-	220	2,879
South Vietnam.....	-	-	118
Philippine Republic.....	4	37	196
Korean Republic.....	170	-	1,118
Morocco.....	-	-	33
Other.....	396	120	5,982

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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OFFICIAL BUSINESS





Flour Milling Products

June 1974

Issued August 1974

SERIES: M20A(74)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
June.....	954	334	12,485
May.....	875	310	12,894
April.....	888	347	13,902
March.....	985	366	16,182
February.....	1,054	366	16,939
January.....	990	374	18,108
1973			
December.....	1,043	358	16,765
November.....	958	361	16,977
October.....	990	359	15,825
September.....	1,003	356	15,874
August.....	943	364	16,906
July.....	1,009	351	16,119
June.....	970	347	14,809
May.....	953	362	16,594
April.....	971	348	15,381
March.....	997	359	16,894
February.....	996	362	16,407
January.....	961	367	16,864
1972			
December.....	1,028	359	16,161
November.....	972	361	17,293
October.....	967	358	16,549
September.....	992	352	15,428
August.....	920	355	15,557
July.....	1,052	355	15,754
June.....	991	369	18,297

Note: Data include from 2 to 5 percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 to 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average Per working day ¹	Calendar month total						
1974								
June.....	926	18,525	328,290	41,494	3,748	1,008	91.9	74.4
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,534	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	^r 994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	^r 994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8
June.....	961	21,133	363,307	47,174	4,379	1,011	95.0	74.7

Note: Data include estimates for small mills.

(NA) Not available. ^rRevised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1974 QUANTITY	MAY 1974 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	899	1,027
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO (D)	(D)	(D)
0011173	DURUM WHEAT GROUND.	M BU	2,012	2,397
	RYE:			
2041611	RYE FLOUR PRODUCTION.	M CWT	213	202
0011951	RYE GROUND FOR FLOUR.	M BU	472	444
2041618	RYE MILLFEED PRODUCTION	TONS	2,500	2,021
2041611	RYE FLOUR STOCKS (1).	M CWT	24	23
	24 HOUR CAPACITY (1).	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

	JUNE 1974	MAY 1974
GEOGRAPHIC AREA	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	18,525	18,925
MIDDLE ATLANTIC.	2,518	2,477
NEW YORK.	2,166	2,113
NORTH CENTRAL.	10,498	10,751
OHIO.	948	1,082
INDIANA.	442	465
ILLINOIS.	882	904
MICHIGAN.	327	303
MINNESOTA.	2,439	2,447
IOWA.	561	488
MISSOURI.	1,695	1,741
NEBRASKA.	627	642
KANSAS.	2,261	2,288
SOUTH ATLANTIC.	904	968
EAST SOUTH CENTRAL.	911	885
TENNESSEE.	698	666
WEST SOUTH CENTRAL.	964	1,153
OKLAHOMA.	442	564
TEXAS.	522	589
MOUNTAIN.	1,036	1,039
MONTANA.	234	233
UTAH.	(D)	(D)
PACIFIC.	1,694	1,652
WASHINGTON.	480	566
OREGON.	383	361
CALIFORNIA AND HAWAII.	831	725

Note 1: Detail may not add to total due to independent rounding.

Note 2: The data for Daily (24 hour capacity) and Percent of Estimated Annual Capacity as published in Table 4 of the M20A(73)-13, Flour Mill Products, Summary for 1973, should be revised to read as shown below:

Geographic area	Wheat flour production	
	Daily (24 hour) capacity (cwt. sacks)	Percent of estimated annual capacity
United States, total.	962,364 470,704	102.0 100.2
West South Central division	58,157 78,687	90.8 70.0
Oklahoma.	25,028 42,158	90.3 62.2

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TABLE 4.--EXPORTS OF WHEAT FLOUR
(1,000 cwt.)

Country to which exported	May	April	5 months through May 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	481	476	4,191
Guatemala.....	19	3	73
Columbia.....	-	16	165
Ecuador.....	-	37	112
Brazil.....	-	11	136
Israel.....	44	63	257
India.....	14	17	133
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	11	12	100
South Vietnam.....	-	-	47
Philippine Republic.....	123	67	392
Morocco.....	172	137	1,503
Other.....	98	113	1,165
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	957	832	16,324
Nicaragua.....	2	9	118
Jamaica.....	68	71	870
Brazil.....	-	22	37
Iceland.....	43	31	317
Jordan.....	1	-	666
Saudi Arabia.....	136	129	2,983
Sri Lanka (Ceylon).....	110	-	2,989
South Vietnam.....	-	-	418
Philippine Republic.....	12	4	208
Korean Republic.....	142	170	1,260
Morocco.....	-	-	33
Other.....	443	396	6,425

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

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factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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OFFICIAL BUSINESS



Flour Milling Products

July 1974



Issued September 1974

SERIES: M20A(74)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
July.....	935	343	43,257
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	997	359	46,894
February.....	996	362	46,407
January.....	961	367	46,864
1972			
December.....	1,028	359	46,161
November.....	972	361	47,293
October.....	967	358	46,549
September.....	992	352	45,428
August.....	920	355	45,557
July.....	1,052	355	45,751

Note: Data include from 2 to 5 percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ³ (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average Per working day ¹	Calendar month total						
1974								
July.....	887	18,620	335,194	11,990	(NA)	1,008	88.0	73.9
June.....	931	18,610	328,782	11,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,582	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	1,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	325,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	r ₉₉₄	98.8	75.1
January.....	970	21,316	375,101	47,529	(NA)	r ₉₉₄	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,159	(NA)	1,011	91.6	74.8
July.....	991	19,811	343,354	44,155	(NA)	1,011	98.0	74.8

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1974 QUANTITY	JUNE 1974 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,003	899
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
0011173	DURUM WHEAT GROUND	M BU	2,379	2,012
	RYE:			
2041611	RYE FLOUR PRODUCTION	M CWT	221	211
0011951	RYE GROUND FOR FLOUR	M BU	192	467
2041618	RYE MILLFEED PRODUCTION	TONS	2,611	2,470
2041611	RYE FLOUR STOCKS (1)	M CWT	21	21
	24 HOUR CAPACITY (1)	DO	11	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1974	JUNE 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	18,620	18,610
MIDDLE ATLANTIC.	2,499	2,503
NEW YORK.	2,194	2,166
NORTH CENTRAL.	10,507	10,615
OHIO.	1,064	948
INDIANA.	538	442
ILLINOIS.	777	882
MICHIGAN.	295	328
MINNESOTA.	2,466	2,465
IOWA.	540	561
MISSOURI.	1,295	1,695
NEBRASKA.	526	628
KANSAS.	2,623	2,350
SOUTH ATLANTIC.	924	898
EAST SOUTH CENTRAL.	941	911
TENNESSEE.	717	698
WEST SOUTH CENTRAL.	1,072	960
OKLAHOMA.	518	442
TEXAS.	554	518
MOUNTAIN.	1,042	1,036
MONTANA.	201	234
UTAH.	(D)	(D)
PACIFIC.	1,635	1,687
WASHINGTON.	332	480
OREGON.	467	379
CALIFORNIA AND HAWAII.	836	828

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

TABLE 1.-- EXPORTS OF WHEAT FLOUR

1,000 cwt.

Country to which exported	June	May	6 months through June 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY 0460110 ¹			
Total.....	647	481	4,768
Guatemala.....	11	19	84
Columbia.....	-	-	165
Ecuador.....	19	-	131
Brazil.....	-	-	136
Israel.....	-	44	257
India.....	1	14	134
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	-	11	100
South Vietnam.....	-	-	47
Philippine Republic.....	6	123	398
Morocco.....	39	172	1,542
Other.....	571	98	1,736
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA 0460120 ¹			
Total.....	856	957	17,180
Nicaragua.....	-	2	118
Jamaica.....	52	68	922
Brazil.....	22	-	59
Iceland.....	5	43	322
Jordan.....	-	1	666
Saudi Arabia.....	22	136	3,005
Sri Lanka (Ceylon).....	110	110	3,099
South Vietnam.....	-	-	418
Philippine Republic.....	15	12	223
Korean Republic.....	-	142	1,260
Morocco.....	-	-	33
Other.....	630	443	7,055

Note. Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110, wheat flour (except meal and groats); 0460120, wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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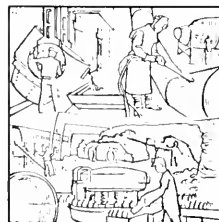


OFFICIAL BUSINESS



Flour Milling Products

August 1974



Issued October 1974

SERIES: M20A(74)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
August.....	933	362	44,906
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,884
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,577
October.....	990	359	45,825
September.....	1,003	356	45,871
August.....	913	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	907	358	46,894
February.....	996	362	46,107
January.....	961	367	46,861
1972			
December.....	1,028	359	46,161
November.....	972	361	47,293
October.....	967	358	46,519
September.....	992	352	45,128
August.....	920	355	45,557

Note: Data include from 2 to 5 percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average Per working day ¹	Calendar month total						
1974								
August.....	942	20,743	376,657	46,816	(NA)	1,008	93.5	73.8
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
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May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
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1972								
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November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7
August.....	926	21,293	369,265	47,459	(NA)	1,011	91.6	74.8

Note: Data include estimates for small mills.

(NA) Not available. [†]Revised.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday; January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Collected quarterly.

³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1974	JULY 1974
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND	M BU	2,647	2,361
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,160	1,003
2041155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR	M BU	484	486
2041611	RYE FLOUR PRODUCTION	M CWT	222	222
2041618	RYE MILLFEED PRODUCTION	TONS	2,582	2,432
2041611	RYE FLOUR STOCKS (1)	M CWT	24	24
	24 HOUR CAPACITY (1)	DO	11	11

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1974	JULY 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	20,743	18,735
MIDDLE ATLANTIC	2,588	2,523
NEW YORK	2,170	2,216
NORTH CENTRAL	11,977	10,550
OHIO	1,287	1,064
INDIANA	506	538
ILLINOIS	1,041	815
MICHIGAN	335	295
MINNESOTA	2,587	2,458
IOWA	545	540
MISSOURI	1,852	1,295
NEBRASKA	606	526
KANSAS	2,714	2,636
SOUTH ATLANTIC	1,145	904
EAST SOUTH CENTRAL	1,032	991
TENNESSEE	806	723
WEST SOUTH CENTRAL	1,115	1,081
OKLAHOMA	555	526
TEXAS	560	555
MOUNTAIN	1,094	1,042
MONTANA	259	201
UTAH	(D)	(D)
PACIFIC	1,792	1,641
WASHINGTON	470	332
OREGON	464	467
CALIFORNIA AND HAWAII	858	845

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

TABLE 4.--EXPORTS OF WHEAT FLOUR

1,000 cwt.)

Country to which exported	July	June	7 months through July 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	70	647	4,838
Guatemala.....	1	11	85
Columbia.....	-	-	165
Ecuador.....	-	19	131
Brazil.....	-	-	136
Israel.....	10	-	267
India.....	-	1	134
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	8	-	108
South Vietnam.....	10	6	47
Philippine Republic.....	25	39	408
Morocco.....	-	-	1,567
Other.....	16	571	1,752
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	781	856	17,961
Nicaragua.....	-	-	118
Jamaica.....	92	52	1,014
Brazil.....	-	22	59
Iceland.....	-	5	322
Jordan.....	-	-	666
Saudi Arabia.....	-	22	3,005
Sri Lanka (Ceylon).....	-	110	3,099
South Vietnam.....	-	-	418
Philippine Republic.....	-	15	223
Korean Republic.....	-	-	1,260
Morocco.....	-	-	33
Other.....	689	630	7,744

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



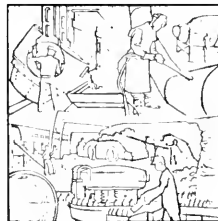
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OFFICIAL BUSINESS





Flour Milling Products

September 1974

Issued November 1974

SERIES: M20A(74)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
September.....	965	359	11,688
August.....	912	352	13,784
July.....	896	345	13,521
June.....	960	334	12,628
May.....	875	340	12,894
April.....	888	347	13,902
March.....	985	366	16,182
February.....	1,054	366	16,939
January.....	990	374	18,108
1973			
December.....	1,043	358	16,765
November.....	958	361	16,977
October.....	990	359	15,825
September.....	1,003	356	15,871
August.....	943	364	16,506
July.....	1,009	351	16,119
June.....	970	347	14,809
May.....	953	362	16,594
April.....	971	348	15,381
March.....	997	359	16,894
February.....	996	362	16,407
January.....	961	367	16,861
1972			
December.....	1,028	359	16,161
November.....	972	361	17,293
October.....	967	358	16,549
September.....	992	352	15,428

Note: Data include from 2 to 5 percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

U.S. DEPARTMENT OF COMMERCE

Social and Economic Statistics Administration

BUREAU OF THE CENSUS



TABLE 10.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average Per working day ¹	Calendar month total						
1974								
September.....	1,038	20,761	375,383	46,851	3,885	995	104.3	73.9
August.....	921	20,369	366,762	45,647	NA	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,017	21,982	381,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,493	384,312	50,090	(NA)	1,013	100.9	74.8
September.....	1,067	21,347	368,513	47,634	4,886	1,013	105.4	74.7

Note: Data include estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1974	AUGUST 1974
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND,	M BU	2,922	2,647
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,364	1,276
2041155	BLENDED SEMOLINA DURUM FLOUR (1).	DO		
	RYE:			
0011951	RYE GROUND FOR FLOUR,	M BU	456	481
2041611	RYE FLOUR PRODUCTION,	M CWT	207	222
2041618	RYE MILLFEED PRODUCTION	TONS	2,632	2,582
2041611	RYE FLOUR STOCKS (3).	M CWT	22	24
	24 HOUR CAPACITY (3).	DO	9	11

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

NA Not available.

¹Includes flour blended by flour millers only. Excludes flour blended by macaroni and spaghetti manufacturers, etc.

²Combined to avoid disclosure of figures for individual companies.

³Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	SEPTEMBER 1974	AUGUST 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,761	20,269
MIDDLE ATLANTIC.	2,744	2,588
NEW YORK.	2,322	2,170
NORTH CENTRAL.	11,985	11,706
OHIO.	1,235	1,287
INDIANA.	522	506
ILLINOIS.	1,175	1,041
MICHIGAN.	324	338
MINNESOTA.	2,558	2,576
IOWA.	567	545
MISSOURI.	2,080	1,853
NEBRASKA.	601	606
KANSAS.	2,452	2,450
SOUTH ATLANTIC.	950	940
EAST SOUTH CENTRAL.	1,028	1,032
TENNESSEE.	808	806
WEST SOUTH CENTRAL.	1,069	1,133
OKLAHOMA.	540	555
TEXAS.	529	578
MOUNTAIN.	1,079	1,094
MONTANA.	249	259
UTAH.	D	D
PACIFIC.	1,906	1,776
WASHINGTON.	607	470
OREGON.	422	351
CALIFORNIA AND HAWAII.	877	855

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

1,000 cwt.

Country to which exported	Aug.	July	8 months through Aug. 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	359	70	5,197
Guatemala.....	9	1	94
Columbia.....	31	-	196
Ecuador.....	11	-	142
Brazil.....	6	-	142
Israel.....	15	10	282
Pakistan.....	-	-	134
Sri Lanka (Ceylon).....	-	-	38
South Vietnam.....	17	8	125
Philippine Republic.....	-	-	47
Morocco.....	31	10	439
Other.....	200	25	1,767
	39	16	1,791
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	797	781	18,758
Nicaragua.....	2	-	120
Jamaica.....	45	92	1,059
Brazil.....	5	-	64
Iceland.....	17	-	339
Jordan.....	-	-	666
Saudi Arabia.....	352	-	3,357
Sri Lanka (Ceylon).....	-	-	3,099
South Vietnam.....	-	-	418
Philippine Republic.....	1	-	224
Korean Republic.....	-	-	1,260
Morocco.....	-	-	33
Other.....	375	689	8,119

Note: Data in this table are taken from Foreign Trade publication FT 310, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

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Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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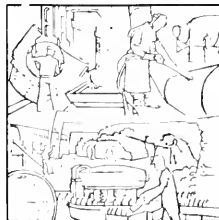
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Flour Milling Products

October 1974

Issued December 1974

SERIES: M20A(74)-10

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 to 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1971			
October.....	939	387	17,824
September.....	967	360	14,847
August.....	912	352	13,784
July.....	896	315	13,521
June.....	960	334	12,628
May.....	875	340	12,894
April.....	888	347	13,902
March.....	985	366	16,182
February.....	1,054	366	16,939
January.....	990	371	18,108
1973			
December.....	1,043	358	16,765
November.....	958	361	16,977
October.....	990	359	15,825
September.....	1,003	356	15,874
August.....	943	364	16,906
July.....	1,009	351	16,119
June.....	970	347	14,809
May.....	953	362	16,594
April.....	971	348	15,381
March.....	997	359	16,894
February.....	996	362	16,407
January.....	961	367	16,864
1972			
December.....	1,028	359	16,161
November.....	972	361	17,293
October.....	967	358	16,549

Note: Data include from 2- to 5-percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1971

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
October.....	991	22,852	413,961	51,376	3,885	995	100.0	74.1
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,772	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	² 994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	² 994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0
October.....	1,022	22,483	384,312	50,090	(NA)	1,013	100.9	74.8

Note: Data include estimates for small mills.

(NA) Not available. ²Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	OCTOBER 1974	SEPTEMBER 1974
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	3,203	2,922
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	21,173	21,364
2041155	BLENDED SEMOLINA DURUM FLOUR (1).	DO		
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	502	456
2041611	RYE FLOUR PRODUCTION.	M CWT	225	207
2041618	RYE MILLFEED PRODUCTION	TONS	3,117	2,632
2041611	RYE FLOUR STOCKS (3).	M CWT	21	22
	24 HOUR CAPACITY (4).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

¹Includes flour blended by flour millers only. Excludes flour blended by macaroni and spaghetti manufacturers, etc.

³Combined to avoid disclosure of figures for individual companies.

⁴Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	OCTOBER 1974	SEPTEMBER 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	22,852	20,837
MIDDLE ATLANTIC.	2,938	2,742
NEW YORK.	2,461	2,323
NORTH CENTRAL.	13,186	12,110
OHIO.	1,432	1,235
INDIANA.	575	522
ILLINOIS.	1,200	1,122
MICHIGAN.	355	324
MINNESOTA.	2,812	2,536
IOWA.	574	567
MISSOURI.	2,222	2,072
NEBRASKA.	616	601
KANSAS.	2,943	2,660
SOUTH ATLANTIC.	1,081	950
EAST SOUTH CENTRAL.	1,108	1,028
TENNESSEE.	861	808
WEST SOUTH CENTRAL.	1,271	1,043
OKLAHOMA.	672	529
TEXAS.	599	514
MOUNTAIN.	1,171	1,070
MONTANA.	316	249
UTAH.	(D)	(D)
PACIFIC.	2,094	1,894
WASHINGTON.	649	607
OREGON.	523	422
CALIFORNIA AND HAWAII.	922	865

Note: Detail may not add to total due to independent rounding.

D Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Sept.	Aug.	9 months through Sept. 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	84	359	4,922
Guatemala.....	-	9	85
Columbia.....	-	31	165
Ecuador.....	-	11	131
Brazil.....	-	6	136
Israel.....	-	15	267
India.....	14	-	148
Pakistan.....	-	-	38
Sri Lanka (Ceylon).....	5	17	113
South Vietnam.....	3	-	50
Philippine Republic.....	-	31	408
Morocco.....	38	200	1,605
Other.....	24	39	1,776
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	698	797	18,659
Nicaragua.....	-	2	118
Jamaica.....	17	45	1,061
Brazil.....	-	5	59
Iceland.....	24	17	346
Jordan.....	57	-	723
Saudi Arabia.....	297	352	3,302
Sri Lanka (Ceylon).....	-	-	3,099
South Vietnam.....	-	-	418
Philippine Republic.....	-	1	223
Korean Republic.....	61	-	1,321
Morocco.....	-	-	33
Other.....	212	375	7,956

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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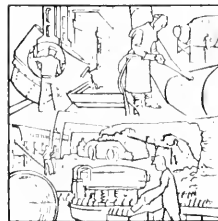
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OFFICIAL BUSINESS





Flour Milling Products

November 1974

216:
Issued January 1975

SERIES: M20A(74)-II

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 to 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
November.....	1,011	384	47,557
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	997	359	46,894
February.....	996	362	46,407
January.....	961	367	46,864
1972			
December.....	1,028	359	46,161
November.....	972	361	47,293

Note: Data include from 2- to 5-percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
November.....	1,036	20,725	381,616	46,723	3,885	995	104.1	73.9
October.....	992	22,817	415,213	51,512	3,885	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	381,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,542	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7
November.....	1,005	21,072	361,144	46,822	(NA)	1,013	104.0	75.0

Note: Data include estimates for small mills.

(NA) Not available. [†]Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

SIC CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1974	OCTOBER 1974
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,442	3,201
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	21,119	21,473
2041155	BLENDED SEMOLINA DURUM FLOUR (1).	DO		
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	472	502
2041611	RYE FLOUR PRODUCTION.	M CWT	214	225
2041618	RYE MILLFEED PRODUCTION	TONS	2,829	3,147
2041611	RYE FLOUR STOCKS (3).	M CWT	17	21
	24 HOUR CAPACITY (3).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

¹Includes flour blended by flour millers only. Excludes flour blended by macaroni and spaghetti manufacturers, etc.

²Combined to avoid disclosure of figures for individual companies.

³Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1974	OCTOBER 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,725	22,817
MIDDLE ATLANTIC.	2,660	2,938
NEW YORK.	2,250	2,461
NORTH CENTRAL.	11,923	13,182
OHIO.	1,204	1,420
INDIANA.	512	575
ILLINOIS.	1,084	1,200
MICHIGAN.	313	355
MINNESOTA.	2,562	2,831
IOWA.	548	574
MISSOURI.	1,999	2,217
NEBRASKA.	595	616
KANSAS.	2,699	2,937
SOUTH ATLANTIC.	979	1,037
EAST SOUTH CENTRAL.	1,004	1,108
TENNESSEE.	784	864
WEST SOUTH CENTRAL.	1,082	1,268
OKLAHOMA.	536	668
TEXAS.	526	600
MOUNTAIN.	1,116	1,190
MONTANA.	291	316
UTAH.	(D)	(D)
PACIFIC.	1,961	2,094
WASHINGTON.	584	649
OREGON.	478	523
CALIFORNIA AND HAWAII.	899	922

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Oct.	Sept.	10 months through Oct. 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	156	84	3,035
Guatemala.....	-	-	51
Colombia.....	13	-	68
Ecuador.....	-	-	76
Brazil.....	1	-	53
Israel.....	30	-	164
India.....	-	14	53
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	5	68
South Vietnam.....	7	3	10
Philippine Republic.....	26	-	328
Morocco.....	22	38	1,017
Other.....	57	24	1,147
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	816	698	8,563
Nicaragua.....	-	-	13
Jamaica.....	33	47	564
Brazil.....	17	-	74
Iceland.....	6	21	172
Jordan.....	-	57	66
Saudi Arabia.....	631	297	2,161
Sri Lanka (Ceylon).....	-	-	440
South Vietnam.....	-	-	-
Philippine Republic.....	1	-	70
Korean Republic.....	15	61	444
Morocco.....	-	-	-
Other.....	113	212	4,559

Note: Data in this table are taken from Foreign Trade publication FT 110, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

¹Revised. In prior months these data erroneously included aggregates for 1973.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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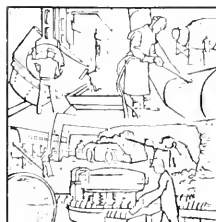


OFFICIAL BUSINESS



Flour Milling Products

December 1974



Issued February 1975

SERIES: M20A(74)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1974			
December.....	976	361	44,101
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
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November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
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April.....	971	348	45,381
March.....	997	359	46,891
February.....	996	362	46,407
January.....	961	367	46,864
1972			
December.....	1,028	359	46,161

Note: Data include from 2- to 5-percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1972 TO 1974

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1974								
December.....	980	19,699	358,537	44,205	4,499	967	101.4	73.9
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
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May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,186	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,111	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
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November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	381,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	994	95.8	74.9
1972								
December.....	1,040	20,799	358,365	46,380	4,746	994	102.7	74.7

Note: Data include estimates for small mills.

(NA) Not available. ²Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.²Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1974 QUANTITY	NOVEMBER 1974 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,677	2,442
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,091	
2041155	BLENDED SEMOLINA DURUM FLOUR (1).	DO	(1)	21,116
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	393	472
2041611	RYE FLOUR PRODUCTION.	M CWT	180	214
2041618	RYE MILLFEED PRODUCTION	TONS	2,233	2,829
2041611	RYE FLOUR STOCKS (2).	M CWT	35	17
	24 HOUR CAPACITY (3).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(1) Withheld to avoid disclosure of figures for individual companies.

¹Includes flour blended by flour millers only. Excludes flour blended by macaroni and spaghetti manufacturers, etc.

²Combined to avoid disclosure of figures for individual companies.

³Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1974 QUANTITY PRODUCED	NOVEMBER 1974 QUANTITY PRODUCED
UNITED STATES, TOTAL.	19,609	20,853
MIDDLE ATLANTIC.	2,582	2,659
NEW YORK.	2,203	2,249
NORTH CENTRAL.	11,039	12,052
OHIO.	894	1,195
INDIANA.	480	512
ILLINOIS.	1,013	1,119
MICHIGAN.	283	312
MINNESOTA.	2,424	2,570
IOWA.	477	548
MISSOURI.	1,801	1,999
NEBRASKA.	615	672
KANSAS.	2,618	2,718
SOUTH ATLANTIC.	987	979
EAST SOUTH CENTRAL.	961	1,004
TENNESSEE.	754	784
WEST SOUTH CENTRAL.	1,058	1,082
OKLAHOMA.	510	536
TEXAS.	498	526
MOUNTAIN.	1,063	1,116
MONTANA.	304	291
UTAH.	(1)	(1)
PACIFIC.	1,919	1,961
WASHINGTON.	561	584
OREGON.	446	478
CALIFORNIA AND HAWAII.	912	899

Note: Detail may not add to total due to independent rounding.

(1) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

1,000 cwt.1

Country to which exported	Nov.	Oct.	11 months through Nov. 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	359	156	3,394
Guatemala.....	11	-	62
Colombia.....	36	13	104
Ecuador.....	28	-	104
Brazil.....	1	1	54
Israel.....	31	30	195
India.....	22	-	75
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	22	-	90
South Vietnam.....	-	7	10
Philippine Republic.....	31	26	359
Morocco.....	101	22	1,118
Other.....	76	57	1,223
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	929	816	9,492
Nicaragua.....	-	-	13
Jamaica.....	51	33	615
Brazil.....	-	17	74
Iceland.....	16	6	188
Jordan.....	-	-	66
Saudi Arabia.....	-	-	440
Sri Lanka (Ceylon).....	437	631	2,598
South Vietnam.....	-	-	-
Philippine Republic.....	-	1	70
Korean Republic.....	134	15	578
Morocco.....	38	-	38
Other.....	253	113	4,812

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

¹Revised. In prior months these data erroneously included aggregates for 1973.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

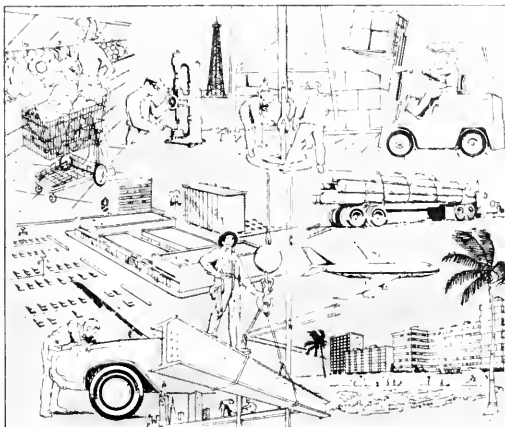
Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.

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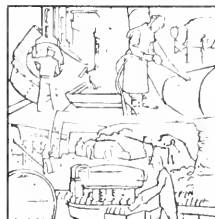
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OFFICIAL BUSINESS





Flour Milling Products

Summary for 1974

Issued May 1975

Series: M20A(74)-13

This report includes statistics for all the months of 1974 and 1973. All revisions in this series compiled for these years, including more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1974 amounted to 242.2 million cwt. sacks about 7.1 million cwt. sacks below the 1973 production. Production figures in 1974 and 1973 were at 97.1 and 100.2 percent, respectively, of total annual capacity.

Wheat mills in 1974 and 1973 ground 542.9 and 555.3 million bushels of wheat; corresponding mill feed production figures for these years were 4,323 and 4,303 thousand tons.

Production of rye flour in 1974 amounted to 2,685 thousand cwt. sacks, compared with 2,654 thousand cwt. sacks in 1973. Rye grindings in 1973 and 1972 were 5,905 and 5,950 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheatmilling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief, Current Nondurables Branch. Carole A. Klein, assisted by Rita Boddie, was directly responsible for the review of the data and preparation of the report. Milton Eisen, Chief of the Division and James Werking, Assistant Chief for Current Programs, provided overall direction and coordination to this project.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

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For sale by the Subscriber Services Section (Publications), Social and Economic Statistics Administration, Washington, D.C. 20233 or any Department of Commerce District Office. Price: 15 cents per copy—\$1.50 per year.



Table 1.-- SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1942 TO 1974

Year	Wheat flour production (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sacks of flour		Flour extraction rate (percent) ¹
				Wheat	Mill feed	
1942.....	221,100	515,300	4,444	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,598	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,199	701,799	5,913	137.8	38.7	72.6
1948.....	279,133	639,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,411	4,534	139.6	40.3	71.6
1951.....	229,292	535,235	4,626	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,305	514,028	4,440	139.3	40.1	71.8
1955.....	225,648	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	548,532	4,584	137.8	38.4	72.6
1958.....	248,004	566,983	4,713	137.1	38.0	72.9
1959.....	250,568	570,856	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,663	591,654	4,899	135.7	37.4	73.7
1965.....	250,384	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.1
1967.....	245,240	549,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,649	4,513	134.5	35.5	74.4
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	563,714	4,398	133.6	34.8	74.8
1971.....	249,810	555,092	4,279	133.3	34.3	75.0
1972.....	250,441	557,801	4,303	133.6	34.4	74.8
1973.....	249,265	555,269	4,303	133.7	34.5	74.8
1974.....	242,157	542,904	4,323	134.5	35.7	74.3

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

¹Wheat flour production as compared with the amount of wheat ground. ²Based on 1954 Census of Manufactures. See Census report MC-2000, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTHS: 1974 AND 1973

Month	Seasonally adjusted			Unadjusted						
	Wheat flour production average per working day (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Wheat flour production (1,000 cwt. sacks)		Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate (percent) ²
				Average per working day ¹	Calendar month, total			Wheat	Mill feed	
1974, total.....	(X)	(X)	(X)	(X)	242,157	542,904	4,323	134.5	35.7	74.3
January.....	990	48,108	374	1,000	22,066	48,882	383	132.9	34.7	75.0
February.....	1,054	46,939	366	1,060	20,141	45,015	350	134.1	34.8	74.6
March.....	985	46,182	366	944	20,760	46,063	364	134.1	35.1	75.1
April.....	888	43,902	347	840	18,486	41,365	326	134.3	35.3	74.5
May.....	875	42,894	340	860	18,325	42,217	332	134.8	35.1	74.7
June.....	960	42,628	334	931	18,610	41,634	329	134.2	36.5	74.5
July.....	896	43,521	345	851	18,735	42,246	337	135.3	36.0	73.9
August.....	912	43,784	352	921	20,269	45,647	367	135.1	36.2	74.0
September.....	967	44,817	360	1,041	20,837	47,039	377	135.4	36.2	73.8
October.....	937	47,950	388	992	22,817	51,512	415	135.5	36.4	74.0
November.....	1,018	47,851	387	1,043	20,853	47,042	384	135.3	36.8	73.9
December.....	933	44,168	361	936	19,658	44,272	359	135.1	36.5	74.0
1973, total.....	(X)	(X)	(X)	(X)	249,265	555,269	4,303	133.7	34.5	74.8
January.....	961	46,864	367	970	21,346	47,529	375	133.6	35.1	74.9
February.....	996	46,107	362	1,001	20,023	44,475	346	133.3	34.6	75.1
March.....	997	46,894	369	956	21,051	46,777	358	133.3	34.0	75.0
April.....	971	45,381	348	919	19,310	42,792	327	133.0	33.9	75.2
May.....	953	46,594	362	936	20,603	45,808	354	133.4	34.4	75.0
June.....	970	44,809	347	941	19,771	43,765	342	133.0	34.6	75.3
July.....	1,009	46,119	351	955	20,068	41,681	348	133.6	34.7	74.8
August.....	960	46,906	364	951	21,893	48,889	380	134.0	34.7	74.6
September.....	1,003	45,874	356	1,079	21,589	48,111	373	133.7	34.6	74.7
October.....	990	45,825	359	1,047	21,982	49,258	385	134.5	35.0	74.4
November.....	958	46,977	361	984	20,657	46,272	359	134.4	34.8	74.4
December.....	1,043	46,765	358	1,049	20,972	46,912	356	134.2	34.0	74.5

(X) Not applicable.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Wheat flour production is compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS, 1974 AND 1973

Month	Rye flour production (1,000 cwt. sacks)	Rye ground for flour (1,000 bushels)	Mill feed production (tons)	Average pounds ground per cwt. sack of flour		Flour extraction rate percent ¹
				Rye	Mill feed	
1974, TOTAL.....	2,683	5,905	31,329	123.2	23.3	81.2
January.....	262	573	2,821	123.9	21.3	81.1
February.....	239	528	2,576	123.7	21.6	80.8
March.....	252	551	2,707	122.4	21.5	81.7
April.....	232	510	2,669	123.1	23.0	81.2
May.....	202	444	2,021	123.1	20.0	81.2
June.....	211	467	2,470	123.9	23.4	80.7
July.....	222	486	2,432	122.6	21.9	81.6
August.....	222	484	2,582	122.1	23.3	81.9
September.....	207	456	2,632	123.3	25.4	81.1
October.....	225	502	3,147	124.9	28.0	80.0
November.....	214	472	2,829	123.5	26.4	81.0
December.....	197	430	2,443	122.2	24.8	81.8
1973, TOTAL.....	2,654	5,950	31,044	126.2	23.4	79.8
January.....	213	461	2,480	121.2	23.3	82.5
February.....	199	440	2,238	130.0	22.5	80.8
March.....	196	413	2,290	118.0	23.4	84.7
April.....	200	423	2,240	118.4	22.4	84.4
May.....	260	571	3,155	123.0	24.3	81.3
June.....	224	506	3,033	126.5	27.1	79.1
July.....	184	468	2,420	142.4	23.0	70.2
August.....	237	534	2,780	126.2	23.5	79.3
September.....	234	535	2,609	128.0	22.3	78.1
October.....	234	546	2,793	130.7	23.9	76.5
November.....	227	511	2,557	126.1	22.5	79.3
December.....	246	542	2,749	123.4	22.3	81.0

¹Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1974 AND 1973

Geographic areas	Wheat ground for flour 1,000 bushels	1974			Wheat ground for flour 1,000 bushels	1973		
		Wheat flour production				Wheat flour production		
		Total 1,000 cwt. sacks	Daily ¹ 24 hour/ capacity cwt. sacks	Percent of estimated annual capacity ²		Total 1,000 cwt. sacks	Daily ¹ 24 hour/ capacity cwt. sacks	Percent of estimated annual capacity ²
UNITED STATES, TOTAL...	542,904	242,157	978,276	97.1	555,269	249,265	979,794	100.2
Middle Atlantic division...	70,271	31,524	113,902	108.5	70,775	32,042	113,096	111.5
New York.....	59,731	26,989	93,371	113.4	59,184	27,155	94,386	113.3
North Central Region.....	310,688	138,649	562,029	96.7	322,418	144,712	545,232	104.6
Ohio.....	31,596	13,741	66,909	80.5	31,758	13,820	63,795	85.3
Indiana.....	14,505	6,204	22,285	109.2	15,472	6,714	26,365	100.3
Illinois.....	27,514	12,188	62,365	76.6	29,047	12,964	68,947	71.0
Michigan.....	9,557	3,922	17,724	86.8	9,351	4,117	18,486	87.7
Minnesota.....	68,301	30,926	115,643	104.9	69,615	32,010	112,608	111.9
Iowa.....	14,386	6,383	18,985	131.8	13,829	6,202	19,076	128.0
Missouri.....	18,758	22,047	82,019	105.4	50,658	22,927	83,123	108.6
Nebraska.....	17,093	7,459	33,623	87.0	17,880	7,692	32,282	93.8
Kansas.....	67,343	30,681	117,571	102.3	73,662	33,443	117,437	112.1
South Atlantic division.....	26,925	11,497	51,966	86.8	25,835	11,220	51,860	85.2
East South Central division	27,342	11,847	48,413	96.0	27,704	12,131	52,831	90.1
Tennessee.....	20,885	9,091	31,655	112.6	20,982	9,252	32,681	111.5
West South Central division	29,047	12,968	54,897	92.6	29,961	13,405	75,587	70.0
Oklahoma.....	13,562	6,232	25,692	95.1	12,345	5,745	12,458	53.3
Texas.....	15,316	6,658	28,213	92.5	17,116	7,660	33,129	91.0
Mountain division.....	29,667	13,300	60,699	85.9	30,054	13,197	58,022	91.6
Montana.....	7,023	3,243	12,407	102.5	7,037	3,276	10,075	128.0
Utah.....	13,983	0 ¹	27,505	0 ¹	11,838	0 ¹	26,360	0 ¹
Pacific division.....	18,964	22,372	86,370	101.6	18,522	22,228	83,166	105.2
Washington.....	14,872	6,781	26,965	98.6	14,822	6,791	26,865	99.5
Oregon.....	11,630	5,324	23,225	82.8	11,086	5,080	23,725	84.3
California ³	22,462	10,267	34,180	117.8	22,614	10,357	32,576	125.2

D. Withheld to avoid disclosing figures for individual companies.

¹Capacity as reported for December of each year. ²Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 255 for 1974, and 254 for 1973. This figure is calculated on the basis of a 5-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25. ³Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1974 AND 1973

Quarter	Production (1,000 cwt. sacks)	Mill stocks (1,000 cwt. sacks)
1974:		
First	62,976	5,297
Second	56,021	3,748
Third	59,841	3,885
Fourth	63,328	1,399
1973:		
First	62,420	5,581
Second	59,681	3,493
Third	63,530	4,174
Fourth	63,611	5,305

Table 6.--DURUM WHEAT PRODUCTS: 1974 AND 1973

Item	1974		1973	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels)	16,745	16,250	18,766	18,801
Straight semolina and durum flour production (thousand sacks (cwt.))	7,154 (D)	(D)	8,254 (D)	8,124 (D)
Blended semolina and durum flour produced (thousand sacks (cwt.))				

(D) Withheld to avoid disclosing figures for individual companies

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, AND APPARENT CONSUMPTION: 1974 AND 1973

Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total

import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data."

Item	Manufacturers' production (1,000 cwt)	Exports of domestic merchandise		Percent, exports to manufacturers' production	Imports for consumption (1,000 cwt)	Calculated import duty (\$1,000)	Apparent consumption ⁴ (1,000 cwt)	Percent, imports to apparent consumption
		Quantity (1,000 cwt)	Value (\$1,000)					
		1974						
Wheat flour.....	242,137	² 14,201	² 150,356	5.9	(⁴)	NA ¹	227,956	(NA)
Semolina and durum flour.....	(D)	² 85	² 593	NA	(⁴)	NA ¹	(D)	(NA)
		1973						
Wheat flour.....	249,265	16,018	104,643	6.4	(⁴)	(NA)	² 233,247	(NA)
Semolina and durum flour.....	16,378	² 89	² 932	0.5	(⁴)	(NA)	² 16,289	(NA)

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available

¹Source: Bureau of the Census Report FT 610, U.S. Exports of Domestic Merchandise; SIC-Based Products and Areas.²1974 Schedule B codes 0450110, 0460120.³1974 and 1973 Schedule B code 0460130.

⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also see footnote 3 below.

⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated. 1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption."⁶

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) **Valuation**—Domestic producers' shipments, or production, are usually valued at the point of production—the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation—seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each

commodity line in the table, but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) **Duplication in Quantity and Value of Output**—Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) **Low-Value Export and Import Transactions**—Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) **Manufacturers' Shipments, Not Specified by Kind**—The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) **Time Lag Between Output and Exports**—There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) **"Direct" vs "Total" Commodity Exports**—The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) **Used Commodities**—With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

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Flour Milling Products

January 1975

Issue: March 1975

SERIES: M20A(75)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
January.....	871	350	43,638
1974			
December.....	933	361	41,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	41,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	967	359	46,801
February.....	996	362	46,407
January.....	961	367	46,804

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week, with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
January.....	883	19,623	357,604	44,341	(NA)	967	91.3	73.8
1974								
December.....	936	19,658	358,722	44,272	4,399	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	936	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	r ₉₉₄	98.8	75.1
January.....	970	21,346	375,101	47,529	(NA)	r ₉₉₄	95.8	74.9

Note: Data include estimates for small mills.

(NA) Not available. r Revised.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JANUARY 1975	DECEMBER 1974
			QUANTITY	QUANTITY
DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
0011173	DURUM WHEAT GROUND	M BU	3,219	2,677
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,320	1,092
2041155	BLENDED SEMOLINA DURUM FLOUR (1)	DO	(D)	(D)
RYE:				
0011951	RYE GROUND FOR FLOUR	M BU	437	430
2041611	RYE FLOUR PRODUCTION	M CWT	261	197
2041618	RYE MILLFEED PRODUCTION	TONS	2,473	2,413
2041611	RYE FLOUR STOCKS (-)	M CWT	(NA)	35
	24 HOUR CAPACITY (-)	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. NA Not available.

¹Includes flour blended by flour millers only. Excludes flour blended by macaroni and spaghetti manufacturers, etc.

²Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JANUARY 1975	DECEMBER 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	19,623	19,658
MIDDLE ATLANTIC	2,395	2,605
NEW YORK	2,093	2,212
NORTH CENTRAL	11,274	11,102
OHIO	1,207	904
INDIANA	508	479
ILLINOIS	1,039	1,013
MICHIGAN	259	280
MINNESOTA	2,598	2,118
IOWA	453	477
MISSOURI	1,698	1,812
NEBRASKA	510	615
KANSAS	2,518	2,640
SOUTH ATLANTIC	941	971
EAST SOUTH CENTRAL	983	932
TENNESSEE	784	738
WEST SOUTH CENTRAL	1,378	1,064
OKLAHOMA	515	510
TEXAS	803	496
MOUNTAIN	980	1,065
MONTANA	243	304
UTAH	(D)	(D)
PACIFIC	1,672	1,919
WASHINGTON	430	561
OREGON	442	416
CALIFORNIA AND HAWAII	800	942

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Dec.	Nov.	12 months through Dec. 1974
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	258	359	3,652
Guatemala.....	1	11	63
Colombia.....	-	36	104
Ecuador.....	-	28	104
Brazil.....	14	1	68
Israel.....	20	31	215
India.....	21	22	96
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	34	22	124
South Vietnam.....	8	-	18
Philippine Republic.....	-	31	359
Morocco.....	119	101	1,237
Other.....	41	76	1,264
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,058	929	10,550
Nicaragua.....	-	-	13
Jamaica.....	38	51	653
Brazil.....	32	-	106
Iceland.....	2	16	190
Jordan.....	-	-	66
Saudi Arabia.....	506	437	3,104
Sri Lanka (Ceylon).....	-	-	440
South Vietnam.....	-	-	-
Philippine Republic.....	-	-	70
Korean Republic.....	134	134	712
Morocco.....	2	38	40
Other.....	344	253	5,156

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month variations which are due to

factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

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EXPLANATION OF TERMS

Units of quantity--Grain ground is measured in bushels of 60 lbs., for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity--Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain--Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed--Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour--Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of flour (quarterly)--Represents mill stocks in all positions, sold and unsold.



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Flour Milling Products

February 1975

Issued April 1975

SERIES: M20A(75)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A --SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
February.....	890	338	42,049
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
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March.....	985	366	46,182
February.....	1,054	366	46,939
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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
February.....	895	17,898	323,401	40,241	(NA)	967	92.5	74.1
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,273	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
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October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
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May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0
February.....	1,001	20,023	345,826	44,475	(NA)	994	98.8	75.1

Note: Data include estimates for small mills

(NA) Not available. ¹Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1975 QUANTITY	JANUARY 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,816	3,219
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,159	1,320
2041155	BLENDED SEMOLINA DURUM FLOUR (1)	DO	D)	D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	448	437
2041611	RYE FLOUR PRODUCTION.	M CWT	206	201
2041618	RYE MILLFEED PRODUCTION.	TONS	2,499	2,473
2041611	RYE FLOUR STOCKS (2)	M CWT	NA)	NA)
	24 HOUR CAPACITY (2)	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

D) Withheld to avoid disclosure of figures for individual companies.

NA) Not available.

¹These data exclude all flour blended by macaroni and spaghetti manufacturer's, etc. as such activities are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

²Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	FEBRUARY 1975 QUANTITY PRODUCED	JANUARY 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	17,898	19,366
MIDDLE ATLANTIC.	2,227	2,396
NEW YORK.	1,883	2,092
NORTH CENTRAL.	10,541	11,366
OHIO.	1,132	1,293
INDIANA.	516	508
ILLINOIS.	1,004	1,039
MICHIGAN.	290	261
MINNESOTA.	2,351	2,590
IOWA.	451	453
MISSOURI.	1,666	1,718
NEBRASKA.	515	510
KANSAS.	2,220	2,510
SOUTH ATLANTIC.	876	922
EAST SOUTH CENTRAL.	921	975
TENNESSEE.	737	776
WEST SOUTH CENTRAL.	1,005	1,373
OKLAHOMA.	459	500
TEXAS.	474	813
MOUNTAIN.	702	755
MONTANA.	271	243
UTAH.	D)	D)
PACIFIC.	1,626	1,679
WASHINGTON.	472	430
OREGON.	386	112
CALIFORNIA AND HAWAII.	768	807

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Jan.	Dec.	1 month through Jan. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	413	258	413
Guatemala.....	3	1	3
Columbia.....	23	-	23
Ecuador.....	6	-	6
Brazil.....	-	14	-
Israel.....	2	20	2
India.....	33	21	33
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	34	-
South Vietnam.....	4	8	4
Philippine Republic.....	47	-	47
Morocco.....	61	119	61
Other.....	234	41	234
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	817	1,058	817
Nicaragua.....	1	-	1
Jamaica.....	92	38	92
Brazil.....	-	32	-
Iceland.....	-	2	-
Jordan.....	-	-	-
Saudi Arabia.....	595	506	595
Sri Lanka (Ceylon).....	-	-	-
South Vietnam.....	-	-	-
Philippine Republic.....	-	-	-
Korean Republic.....	-	134	-
Morocco.....	-	2	-
Other.....	129	344	129

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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The data in this report are not adjusted for number of working days.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

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Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

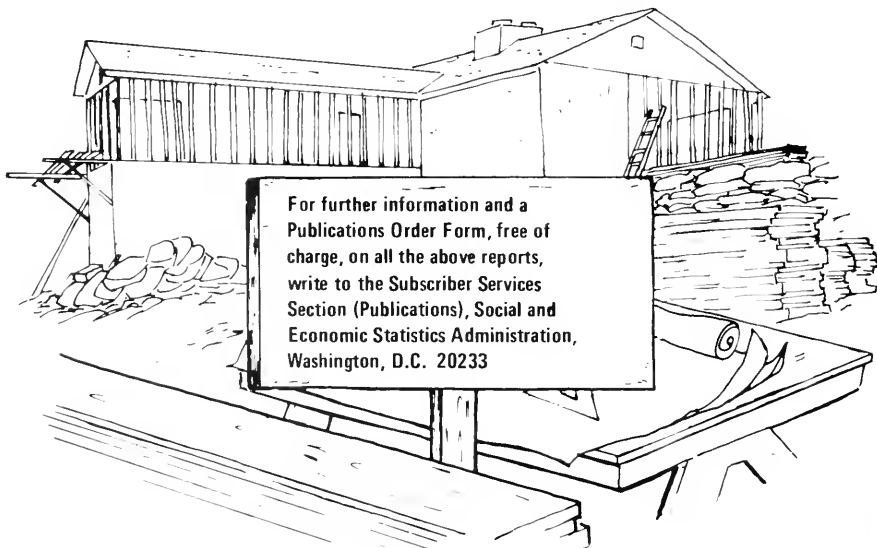
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Flour Milling Products

March 1975

Issued April 1975

SERIES: M20A(75)-3

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
March.....	994	351	42,920
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381
March.....	997	359	46,894

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
March.....	953	19,064	349,752	42,809	4,755	959	99.4	74.2
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,369	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2
March.....	956	21,051	358,286	46,777	5,581	1,026	93.3	75.0

Note: Data include estimates for small mills

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MARCH 1975 QUANTITY	FEBRUARY 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
001173	DURUM WHEAT GROUND	M BU	2,528	2,816
204153	STRAIGHT SEMOLINA DURUM FLOUR	M CNT	1,048	1,159
204155	BLENDED SEMOLINA DURUM FLOUR (1)	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR	M BU	432	448
2041611	RYE FLOUR PRODUCTION	M CNT	198	206
2041618	RYE MILLFEED PRODUCTION	TONS	2,551	2,406
2041611	RYE FLOUR STOCKS (2)	M CNT	26	(NA)
	24 HOUR CAPACITY (2)	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹These data exclude all flour blended by macaroni and spaghetti manufacturer's, etc. as such activities are not within scope of this survey. Only mills engaged in milling flour or meal included in this survey.

²Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CNT.)

GEOGRAPHIC AREA	MARCH 1975 QUANTITY PRODUCED	FEBRUARY 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL	19,064	17,653
MIDDLE ATLANTIC	2,368	2,215
NEW YORK	2,036	1,883
NORTH CENTRAL	11,008	10,370
OHIO	1,225	1,145
INDIANA	529	483
ILLINOIS	1,109	1,004
MICHIGAN	310	286
MINNESOTA	2,426	2,354
IOWA	441	451
MISSOURI	1,808	1,666
NEBRASKA	510	510
KANSAS	2,264	2,075
SOUTH ATLANTIC	934	805
EAST SOUTH CENTRAL	1,020	912
TENNESSEE	830	728
WEST SOUTH CENTRAL	1,033	1,022
OKLAHOMA	415	459
TEXAS	521	491
MOUNTAIN	821	702
MONTANA	279	271
UTAH	(D)	(D)
PACIFIC	1,880	1,627
WASHINGTON	553	472
OREGON	438	386
CALIFORNIA AND HAWAII	889	769

Note: Detail may not add to total due to independent rounding.

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TABLE 1.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Feb.	Jan.	2 months through Feb. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	182	413	595
Guatemala.....	10	3	13
Columbia.....	19	23	42
Ecuador.....	11	6	17
Brazil.....	11	-	11
Israel.....	-	2	2
India.....	23	33	56
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	-	-
South Vietnam.....	-	4	4
Philippine Republic.....	11	47	58
Morocco.....	4	61	65
Other.....	93	234	327
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	715	817	1,532
Nicaragua.....	-	1	1
Jamaica.....	-	92	92
Brazil.....	-	-	-
Iceland.....	-	-	-
Jordan.....	6	-	6
Saudi Arabia.....	463	595	1,058
Sri Lanka (Ceylon).....	-	-	-
South Vietnam.....	-	-	-
Philippine Republic.....	13	-	13
Korean Republic.....	10	-	10
Morocco.....	-	-	-
Other.....	223	129	352

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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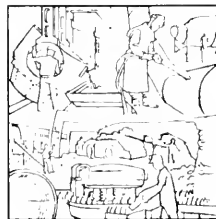
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Flour Milling Products

April 1975

Issued May 1975

SERIES: M20A(75)-4

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Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
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April.....	979	398	48,653
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,864
April.....	888	347	43,802
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	960	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594
April.....	971	348	45,381

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
April.....	926	20,366	373,520	45,841	(NA)	959	96.5	74.0
March.....	¹ 907	19,054	349,068	42,833	4,755	959	¹ 94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	38,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0
April.....	919	19,310	326,738	42,792	(NA)	1,026	89.6	75.2

Note: Data include estimates for small mills

(NA) Not available. ²Revised.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	APRIL 1975 QUANTITY	MARCH 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,549	2,528
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	993	1,018
2041155	BLENDED SEMOLINA DURUM FLOUR (1).	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	426	435
2041611	RYE FLOUR PRODUCTION.	M CWT	200	200
2041618	RYE MILLFEED PRODUCTION.	TONS	2,262	2,496
2041611	RYE FLOUR STOCKS (2).	M CWT	(NA)	29
	24 HOUR CAPACITY (2).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.

¹These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such activities are not within scope of this survey. Only mills engaged in milling flour or meal included in this survey.

²Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	APRIL 1975 QUANTITY PRODUCED	MARCH 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,366	19,054
MIDDLE ATLANTIC.	2,455	2,399
NEW YORK.	2,070	2,037
NORTH CENTRAL.	11,754	10,950
OHIO.	1,260	1,225
INDIANA.	540	512
ILLINOIS.	1,062	1,109
MICHIGAN.	314	310
MINNESOTA.	2,569	2,417
IOWA.	506	441
MISSOURI.	1,957	1,787
NEBRASKA.	558	510
KANSAS.	2,596	2,253
SOUTH ATLANTIC.	981	949
EAST SOUTH CENTRAL.	1,088	1,020
TENNESSEE.	883	830
WEST SOUTH CENTRAL.	1,252	1,033
OKLAHOMA.	601	415
TEXAS.	561	521
MOUNTAIN.	837	821
MONTANA.	(D)	279
UTAH.	(D)	(D)
PACIFIC.	1,999	1,882
WASHINGTON.	563	553
OREGON.	458	438
CALIFORNIA AND HAWAII.	978	891

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 1.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Feb.	Jan.	2 months through Feb. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	201	182	796
Guatemala.....		10	13
Columbia.....	24	19	66
Ecuador.....	13	11	30
Brazil.....	12	11	23
Israel.....	6	-	8
India.....		23	56
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	28	-	28
South Vietnam.....	-	-	4
Philippine Republic.....	21	11	79
Morocco.....	64	4	129
Other.....	33	93	360
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	576	715	2,108
Nicaragua.....	-	-	1
Jamaica.....	-	-	92
Brazil.....	-	-	-
Iceland.....	-	-	8
Jordan.....	8	6	6
Saudi Arabia.....	315	463	1,373
Sri Lanka (Ceylon).....	-	-	-
South Vietnam.....	-	-	-
Philippine Republic.....	13	13	26
Korean Republic.....		10	10
Morocco.....	-	-	-
Other.....	240	223	592

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month data shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

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RELATED REPORTS

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EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

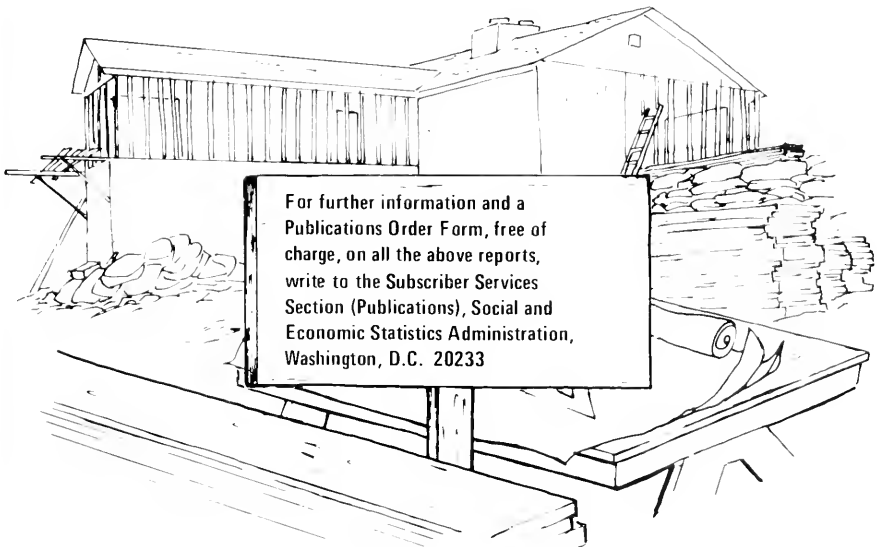
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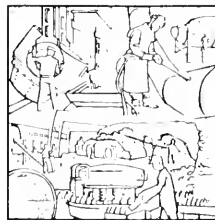
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56. 216:

Flour Milling Products

May 1975



Issued June 1975

SERIES: M20A(75)-5

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
May.....	993	382	46,907
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,502
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809
May.....	953	362	46,594

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TABLE 18.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
May.....	976	20,506	374,451	46,167	(NA)	959	101.8	74.0
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
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April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
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December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
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June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3
May.....	936	20,603	354,042	45,808	(NA)	1,026	91.3	75.0

Note: Data include estimates for small mills

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	MAY 1975	APRIL 1975
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BUE	2,615	2,549
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,069	993
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	399	426
2041611	RYE FLOUR PRODUCTION.	M CWT	182	200
2041618	RYE MILLFEED PRODUCTION	TONS	2,099	2,262
2041611	RYE FLOUR STOCKS (1).	M CWT	(NA)	(NA)
	24 HOUR CAPACITY (1).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies. (NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	MAY 1975	APRIL 1975
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,508	20,599
MIDDLE ATLANTIC.	2,528	2,466
NEW YORK.	2,118	2,070
NORTH CENTRAL.	11,614	11,756
OHIO.	1,099	1,260
INDIANA.	518	540
ILLINOIS.	1,074	1,062
MICHIGAN.	289	314
MINNESOTA.	2,656	2,570
IOWA.	405	506
MISSOURI.	1,940	1,957
NEBRASKA.	570	558
KANSAS.	2,666	2,597
SOUTH ATLANTIC.	864	978
EAST SOUTH CENTRAL.	1,072	1,088
TENNESSEE.	868	883
WEST SOUTH CENTRAL.	1,301	1,247
OKLAHOMA.	633	601
TEXAS.	580	556
MOUNTAIN.	^r 1,061	^r 1,068
MONTANA.	(D)	(D)
UTAH.	(D)	(D)
PACIFIC.	2,068	1,996
WASHINGTON.	688	563
OREGON.	421	458
CALIFORNIA AND HAWAII.	959	975

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

^rRevised.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	April	March	4 months through Feb. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	164	201	960
Guatemala.....	1	-	14
Columbia.....	14	24	80
Ecuador.....	-	13	30
Brazil.....	20	12	43
Israel.....	12	6	20
India.....	-	-	56
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	8	28	36
South Vietnam.....	-	-	4
Philippine Republic.....	20	21	99
Morocco.....	82	64	211
Other.....	7	33	367
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	515	576	2,623
Nicaragua.....	-	-	1
Jamaica.....	31	-	123
Brazil.....	-	-	-
Iceland.....	-	-	8
Jordan.....	-	8	6
Saudi Arabia.....	381	315	1,754
Sri Lanka (Ceylon).....	-	-	-
South Vietnam.....	-	-	-
Philippine Republic.....	1	13	27
Korean Republic.....	-	-	10
Morocco.....	-	-	-
Other.....	102	240	694

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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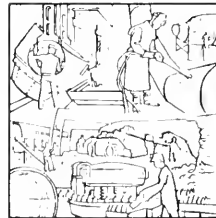
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Social and Economic Statistics Administration
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Flour Milling Products

June 1975

Issued August 1975

SERIES: M20A(75)-6

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
June.....	976	372	46,027
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119
June.....	970	347	44,809

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

U.S. DEPARTMENT OF COMMERCE | Bureau of the Census



TABLE 18 --SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
June.....	947	19,883	365,869	44,954	4,434	988	95.8	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	^F 907	19,054	349,068	42,833	4,755	959	^F 94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
1973								
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8
June.....	941	19,771	341,801	43,765	5,393	1,033	93.9	75.3

Note: Data include estimates for small mills

(NA) Not available. ^FRevised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JUNE 1975	MAY 1975
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
001173	DURUM WHEAT GROUND	M BU	2,195	2,615
204153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	921	1,069
204155	BLENDED SEMOLINA DURUM FLOUR	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR	M BU	380	416
2041611	RYE FLOUR PRODUCTION	M CWT	177	193
2041618	RYE MILLFEED PRODUCTION	TONS	1,934	2,111
2041611	RYE FLOUR STOCKS (1)	M CWT	27	(NA)
	24 HOUR CAPACITY (1)	DO	9	9

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JUNE 1975	MAY 1975
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL	19,883	20,361
MIDDLE ATLANTIC	2,490	2,550
NEW YORK	2,105	2,118
NORTH CENTRAL	11,428	11,477
OHIO	1,162	1,099
INDIANA	525	518
ILLINOIS	1,111	1,100
MICHIGAN	305	289
MINNESOTA	2,506	2,689
IOWA	349	405
MISSOURI	1,712	1,940
NEBRASKA	621	570
KANSAS	2,768	2,470
SOUTH ATLANTIC	954	868
EAST SOUTH CENTRAL	1,075	1,032
TENNESSEE	838	828
WEST SOUTH CENTRAL	1,111	1,308
OKLAHOMA	419	633
TEXAS	602	587
MOUNTAIN	945	1,061
MONTANA	273	(D)
UTAH	(D)	(D)
PACIFIC	1,880	2,065
WASHINGTON	582	648
OREGON	397	421
CALIFORNIA AND HAWAII	901	956

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDIVIDUAL COMPANIES.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	May	April	5 months through May 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	102	164	1,062
Guatemala.....	1	1	15
Columbia.....	-	14	80
Ecuador.....	5	-	35
Brazil.....	-	20	43
Israel.....	-	12	20
India.....	5	-	61
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	8	36
South Vietnam.....	-	-	4
Philippine Republic.....	-	20	99
Morocco.....	20	82	231
Other.....	71	7	438
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,577	515	4,200
Nicaragua.....	-	-	1
Jamaica.....	20	31	143
Brazil.....	11	-	11
Iceland.....	8	-	16
Jordan.....	-	-	6
Saudi Arabia.....	264	381	2,018
Sri Lanka (Ceylon).....	993	-	993
South Vietnam.....	-	-	-
Philippine Republic.....	-	1	27
Korean Republic.....	8	-	18
Morocco.....	32	-	32
Other.....	241	102	935

Note: Data in this table are taken from Foreign Trade publication Ft 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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The data in this report are not adjusted for number of working days.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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6. 2/6:

Flour Milling Products

July 1975



Issued September 1975

SERIES: M20A(75)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

TABLE 1A.--SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
July.....	1,017	394	48,973
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	950	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874
August.....	943	364	46,906
July.....	1,009	351	46,119

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

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Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



U.S. DEPARTMENT OF COMMERCE | BUREAU OF THE CENSUS

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1975

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
July.....	965	21,232	384,429	47,538	NA	988	97.7	74.4
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	² 907	19,054	349,068	42,833	4,755	959	² 94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
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August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
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May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
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February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
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December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
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September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	951	21,893	379,512	48,889	(NA)	1,033	94.9	74.6
July.....	955	20,068	347,790	44,681	(NA)	1,033	95.2	74.8

Note: Data include estimates for small mills

(NA) Not available. ²Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JULY 1975	JUNE 1975
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,477	2,195
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	997	921
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	351	375
2041611	RYE FLOUR PRODUCTION.	M CWT	166	175
2041618	RYE MILLFEED PRODUCTION	TONS	1,776	1,886
2041611	RYE FLOUR STOCKS (1).	M CWT	(NA)	27
	24 HOUR CAPACITY (1).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	JULY 1975	JUNE 1975
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	21,232	19,631
MIDDLE ATLANTIC.	2,568	2,490
NEW YORK.	2,119	2,105
NORTH CENTRAL.	12,321	11,206
OHIO.	1,253	1,201
INDIANA.	557	525
ILLINOIS.	1,246	1,111
MICHIGAN.	307	281
MINNESOTA.	2,704	2,506
IOWA.	383	349
MISSOURI.	1,916	1,717
NEBRASKA.	679	619
KANSAS.	2,872	^r 2,528
SOUTH ATLANTIC.	1,011	945
EAST SOUTH CENTRAL.	1,135	1,075
TENNESSEE.	870	838
WEST SOUTH CENTRAL.	1,255	1,090
OKLAHOMA.	543	419
TEXAS.	634	581
MOUNTAIN.	1,205	945
MONTANA.	288	273
UTAH.	(D)	(D)
PACIFIC.	1,737	1,880
WASHINGTON.	319	582
OREGON.	437	397
CALIFORNIA AND HAWAII.	981	901

Note: Detail may not add to total due to independent rounding.

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^r Revised by 5 percent or more from previously published figures.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	June	May	6 months through June 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	132	102	1,194
Guatemala.....	3	1	18
Columbia.....	11	-	91
Ecuador.....	-	5	35
Brazil.....	-	-	43
Israel.....	2	-	22
India.....	13	5	74
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	7	-	43
South Vietnam.....	-	-	4
Philippine Republic.....	45	-	144
Morocco.....	24	20	255
Other.....	27	71	465
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,019	1,577	5,219
Nicaragua.....	-	-	1
Jamaica.....	19	20	162
Brazil.....	31	11	42
Iceland.....	4	8	20
Jordan.....	-	-	6
Saudi Arabia.....	12	264	2,030
Sri Lanka (Ceylon).....	640	993	1,633
South Vietnam.....	-	-	-
Philippine Republic.....	-	-	27
Korean Republic.....	-	8	18
Morocco.....	-	32	32
Other.....	313	241	1,248

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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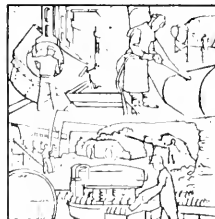
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6. 216:

Flour Milling Products

August 1975



Issued September 1975

SERIES: M20A(75)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

TABLE 1A --SUMMARY OF SEASONALLY ADJUSTED WHEAT FLOUR MILLING: 1973 TO 1975

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
August.....	1,024	382	47,031
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	980	359	45,825
September.....	1,063	356	45,874
August.....	943	364	46,906

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
August.....	1,034	21,705	397,798	49,032	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	² 907	19,054	349,068	42,833	4,755	959	² 94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7
August.....	851	21,893	379,512	48,889	(NA)	1,033	94.9	74.6

Note: Data include estimates for small mills

(NA) Not available. ¹Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	AUGUST 1975 QUANTITY	JULY 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE I DATA):			
0011173	DURUM WHEAT GROUND.	M BU	3,182	2,482
2041153	STRAIGHT SEMOLINA DURUM FLOUR.	M CWT	1,281	569
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	349	351
2041611	RYE FLOUR PRODUCTION.	M CWT	165	164
2041618	RYE MILLFEED PRODUCTION.	TONS	1,739	1,776
2041611	RYE FLOUR STOCKS (1).	M CWT	(NA)	(NA)
	24-HOUR CAPACITY (1).	DO	9	9

NOTE: DATA INCLUDE ESTIMATES FOR SMALL MILLS. DETAIL
MAY NOT ADD TO TOTAL DUE TO INDEPENDENT ROUNDING.

(D) WITHHELD TO AVOID DISCLOSURE OF FIGURES FOR INDI-
VIDUAL COMPANIES.

(NA) NOT AVAILABLE.

(1) COLLECTED QUARTERLY.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 CWT.)

GEOGRAPHIC AREA	AUGUST 1975 QUANTITY PRODUCED	JULY 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	21,705	21,156
MIDDLE ATLANTIC.	2,749	2,565
NEW YORK.	2,321	2,116
NORTH CENTRAL.	12,397	12,172
OHIO.	1,372	1,253
INDIANA.	557	557
ILLINOIS.	1,266	1,246
MICHIGAN.	301	306
MINNESOTA.	2,851	2,695
IOWA.	384	383
MISSOURI.	1,869	1,916
NEBRASKA.	648	679
KANSAS.	2,695	2,733
SOUTH ATLANTIC.	972	1,012
EAST SOUTH CENTRAL.	1,097	1,137
TENNESSEE.	829	872
WEST SOUTH CENTRAL.	1,374	1,289
OKLAHOMA.	673	548
TEXAS.	612	643
MOUNTAIN.	1,259	1,190
MONTANA.	277	273
UTAH.	617	559
PACIFIC.	1,857	1,791
WASHINGTON.	349	319
OREGON.	530	493
CALIFORNIA AND HAWAII.	978	979

NOTE: DETAIL MAY NOT ADD TO TOTAL DUE TO INDEPENDENT
ROUNDING.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	July	June	6 months through July 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	68	132	1,262
Guatemala.....	2	3	20
Columbia.....	8	11	99
Ecuador.....	3	-	38
Brazil.....	-	-	43
Israel.....	1	2	23
India.....	4	13	78
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	10	7	53
South Vietnam.....	-	-	4
Philippine Republic.....	4	45	148
Morocco.....	-	24	255
Other.....	36	27	501
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,079	1,019	6,298
Nicaragua.....	7	-	8
Jamaica.....	14	19	176
Brazil.....	1	31	43
Iceland.....	5	4	25
Jordan.....	-	-	6
Saudi Arabia.....	208	192	2,418
Sri Lanka (Ceylon).....	366	640	1,999
Egypt.....	382	-	382
Philippine Republic.....	-	-	27
Korean Republic.....	-	-	18
Morocco.....	-	-	32
Other.....	96	133	1,164

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.



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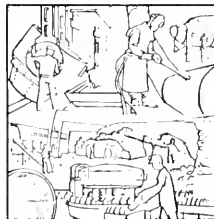
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56.216:

Flour Milling Products

September 1975



Issued October 1975

SERIES: M20A(75)-9

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (11,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
September.....	1,002	392	48,696
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	48,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
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April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825
September.....	1,003	356	45,874

Notes: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day work with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
September.....	1,078	22,644	410,520	51,076	4,140	995	108.4	73.9
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
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February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
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September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
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April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
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February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,672	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4
September.....	1,079	21,589	372,575	48,111	4,174	1,011	93.6	74.7

Note: Data include estimates for small mills

(NA) Not available. ²Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	SEPTEMBER 1975 QUANTITY	AUGUST 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	3,031	3,182
2041153	STRAIGHT SEMOLINA DURUM FLOUR	M CWT	1,260	1,281
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	(D)	(D)
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	372	349
2041611	RYE FLOUR PRODUCTION.	M CWT	176	165
2041618	RYE MILLFEED PRODUCTION	TONS	1,929	1,739
2041611	RYE FLOUR STOCKS (1).	M CWT	28	(NA)
	24 HOUR CAPACITY (1).	DO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	SEPTEMBER 1975 QUANTITY PRODUCED	AUGUST 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	22,644	21,705
MIDDLE ATLANTIC.	2,864	2,749
NEW YORK.	2,398	2,321
NORTH CENTRAL.	12,955	12,397
OHIO.	1,437	1,372
INDIANA.	616	557
ILLINOIS.	1,294	1,266
MICHIGAN.	358	301
MINNESOTA.	2,740	2,852
IOWA.	387	381
MISSOURI.	2,147	1,869
NEBRASKA.	670	648
KANSAS.	2,866	2,695
SOUTH ATLANTIC.	1,140	972
EAST SOUTH CENTRAL.	1,141	1,097
TENNESSEE.	862	829
WEST SOUTH CENTRAL.	1,343	1,371
OKLAHOMA.	671	673
TEXAS.	607	612
MOUNTAIN.	1,321	1,259
MONTANA.	320	277
UTAH.	0	0
PACIFIC.	1,880	1,857
WASHINGTON.	348	349
OREGON.	540	530
CALIFORNIA AND HAWAII.	992	978

Note: Detail may not add to total due to independent rounding.

D. Withheld to avoid disclosure of figures for individual companies.

TABLE 1.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	August	July	7 months through August 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	192	68	1,454
Guatemala.....	13	2	33
Columbia.....	-	8	99
Ecuador.....	-	3	38
Brazil.....	-	-	43
Israel.....	14	1	37
India.....	-	4	78
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	8	10	61
South Vietnam.....	-	-	4
Philippine Republic.....	63	4	211
Morocco.....	83	-	338
Other.....	11	36	512
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	322	1,079	6,620
Nicaragua.....	1	7	9
Jamaica.....	26	14	202
Brazil.....	2	1	45
Iceland.....	4	5	29
Jordan.....	-	-	6
Saudi Arabia.....	211	208	2,629
Sri Lanka (Ceylon).....	2	366	2,001
Egypt.....	64	382	446
Philippine Republic.....	9	-	36
Korean Republic.....	2	-	20
Morocco.....	-	-	32
Other.....	1	96	1,165

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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OFFICIAL BUSINESS

FIRST CLASS MAIL
BOOK



6. 216:

Flour Milling Products

October 1975



Issued December 1975

SERIES: M20A(75)-10

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A --SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
October.....	991	404	50,318
September.....	1,004	391	48,778
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1971			
December.....	933	361	44,168
November.....	1,038	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977
October.....	990	359	45,825

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 1, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

U.S. DEPARTMENT OF COMMERCE Bureau of the Census

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TABLE 1B --SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production	Wheat ground for flour	Wheat flour mill stocks ²	Daily 24-hour capacity in wheat flour ²	Wheat flour produced as percent of capacity	Flour extraction rate ³
	Average per working day ¹	Calendar month total						
				(tons)	(1,000 bushels)	(1,000 cwt.)	(1,000 cwt.)	
1975								
October.....	1,049	21,128	131,802	54,056	(NA)	995	105.4	74.4
September.....	1,080	22,681	109,197	51,182	1,140	995	108.5	74.0
August.....	1,034	21,705	198,652	49,017	(NA)	988	104.7	73.8
July.....	962	21,130	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,301	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	1,755	959	91.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	71.0
January.....	885	19,466	354,300	43,927	(NA)	967	91.5	73.9
1974								
December.....	930	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	924	20,209	366,762	45,647	(NA)	1,008	94.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	810	18,486	325,595	41,365	(NA)	996	84.4	71.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,066	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4
October.....	1,047	21,982	384,634	49,258	(NA)	1,011	92.0	74.4

Note: Data include estimates for small mills.

(NA) Not available. ¹Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 1.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	OCTOBER 1975 QUANTITY	SEPTEMBER 1975 QUANTITY
DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
0011173	DURUM WHEAT GROUND,	M BU	3,792	3,031
2041153	STRAIGHT SEMOLINA DURUM FLOUR,	M CWT	1,492	1,260
2041153	BLENDED SEMOLINA DURUM FLOUR,	OO	(D)	(D)
RYE:				
0011951	RYE GROUND FOR FLOUR,	M BU	408	372
2041611	RYE FLOUR PRODUCTION,	M CWT	160	175
2041618	RYE MILLFEED PRODUCTION,	TONS	2,080	1,924
2041611	RYE FLOUR STOCKS (1),	M CWT	(NA)	28
2041611	24 HOUR CAPACITY (1),	OO	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES
(1,000 CWT.)

GEOGRAPHIC AREA	OCTOBER 1975 QUANTITY PRODUCED	SEPTEMBER 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL,	24,128	22,681
MIDDLE ATLANTIC,	3,015	2,864
NEW YORK,	2,559	2,388
NORTH CENTRAL,	13,781	13,003
OHIO,	1,582	1,414
INDIANA,	666	616
ILLINOIS,	1,439	1,294
MICHIGAN,	366	359
MINNESOTA,	2,406	2,740
IOWA,	(D)	(D)
MISSOURI,	2,195	2,181
NEBRASKA,	692	670
KANSAS,	2,891	2,869
SOUTH ATLANTIC,	1,264	1,133
EAST SOUTH CENTRAL,	1,231	1,111
TENNESSEE,	936	862
WEST SOUTH CENTRAL,	1,422	1,329
OKLAHOMA,	719	671
TEXAS,	600	593
MOUNTAIN,	1,417	1,329
MONTANA,	366	320
UTAH,	(D)	(D)
PACIFIC,	1,408	1,852
WASHINGTON,	601	316
OREGON,	506	540
CALIFORNIA AND HAWAII,	1,031	994

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Sept.	Aug.	9 months through Sept. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	130	192	1,584
Guatemala.....	-	13	33
Columbia.....	11	-	110
Ecuador.....	6	-	44
Brazil.....	-	-	43
Israel.....	-	14	37
India.....	10	-	88
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	8	61
South Vietnam.....	-	-	4
Philippine Republic.....	49	63	260
Morocco.....	-	83	338
Other.....	54	11	566
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	752	322	7,372
Nicaragua.....	1	1	10
Jamaica.....	20	26	222
Brazil.....	8	2	53
Iceland.....	10	4	39
Jordan.....	-	-	6
Saudi Arabia.....	117	211	2,746
Sri Lanka (Ceylon).....	-	2	2,001
Egypt.....	459	61	905
Philippine Republic.....	1	9	37
Korean Republic.....	-	2	20
Morocco.....	-	-	32
Other.....	136	1	1,301

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

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EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.





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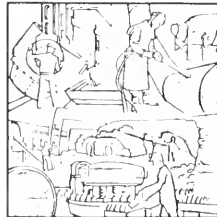
OFFICIAL BUSINESS

FIRST CLASS MAIL



Flour Milling Products

November 1975



Issued January 1976

SERIES: M20A(75)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 5.

TABLE 1A -- SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Seasonally adjusted)			
Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
November.....	1,039	366	16,377
October.....	991	344	50,329
September.....	1,001	393	18,778
August.....	1,021	382	47,617
July.....	1,011	393	48,862
June.....	961	367	45,135
May.....	987	380	46,451
April.....	969	402	49,219
March.....	916	356	42,941
February.....	878	335	41,145
January.....	876	316	43,231
1974			
December.....	923	361	41,168
November.....	1,018	387	47,851
October.....	937	398	47,900
September.....	967	360	41,847
August.....	912	352	43,781
July.....	896	345	43,521
June.....	969	331	42,628
May.....	875	340	42,891
April.....	888	317	43,902
March.....	985	366	46,182
February.....	1,051	366	46,939
January.....	990	371	48,108
1973			
December.....	1,043	358	46,765
November.....	958	361	46,977

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

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U.S. DEPARTMENT OF COMMERCE Bureau of the Census

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
November.....	1,064	20,223	362,840	45,564	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,011	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5
November.....	984	20,657	359,039	46,272	(NA)	1,011	102.8	74.4

Note: Data include estimates for small mills.

(NA) Not available. ^FRevised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION,
MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	NOVEMBER 1975	OCTOBER 1975
			QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):			
0011173	DURUM WHEAT GROUND.	M BU	2,311	3,392
2041153	STRAIGHT SEMOLINA DURUM FLOUR.	M CWT	1,111	1,192
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	D	D
	RYE:			
0011951	RYE GROUND FOR FLOUR.	M BU	311	408
2041611	RYE FLOUR PRODUCTION.	M CWT	146	190
2041616	RYE MILLFEED PRODUCTION.	TONS	1,742	2,089
2041611	RYE FLOUR STOCKS (1).	M CWT	NA	NA
	24 HOUR CAPACITY (1).	DO	9	10

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

D/ Withheld to avoid disclosure of figures for individual companies.

NA Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 CWT.)

GEOGRAPHIC AREA	NOVEMBER 1975	OCTOBER 1975
	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,223	24,129
MIDDLE ATLANTIC.	2,475	3,014
NEW YORK.	2,033	2,558
NORTH CENTRAL.	11,474	13,774
OHIO.	1,308	1,582
INDIANA.	519	666
ILLINOIS.	1,232	1,439
MICHIGAN.	326	396
MINNESOTA.	2,404	2,990
IOWA.	D	D
MISSOURI.	1,913	2,194
NEBRASKA.	584	692
KANSAS.	2,460	2,991
SOUTH ATLANTIC.	1,009	1,273
EAST SOUTH CENTRAL.	1,040	1,231
TENNESSEE.	793	936
WEST SOUTH CENTRAL.	1,119	1,422
OKLAHOMA.	D	719
TEXAS.	544	600
MOUNTAIN.	1,212	1,417
MONTANA.	312	306
UTAH.	D	D
PACIFIC.	1,891	1,998
WASHINGTON.	572	661
OREGON.	415	506
CALIFORNIA AND HAWAII.	907	1,031

Note: Detail may not add to total due to independent rounding.

D/ Withheld to avoid disclosure of figures for independent companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Oct.	Sept.	10 months through Oct. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	161	130	1,745
Guatemala.....	-	-	33
Columbia.....	-	11	110
Ecuador.....	-	6	44
Brazil.....	-	-	43
Israel.....	41	-	78
India.....	-	10	88
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	-	61
South Vietnam.....	-	-	4
Philippine Republic.....	17	49	277
Morocco.....	23	-	361
Other.....	80	54	646
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	734	752	8,106
Nicaragua.....	-	1	10
Jamaica.....	61	20	283
Brazil.....	-	8	53
Iceland.....	-	10	39
Jordan.....	1	-	7
Saudi Arabia.....	419	117	3,165
Sri Lanka (Ceylon).....	-	-	2,001
Egypt.....	-	459	905
Philippine Republic.....	-	1	37
Korean Republic.....	-	-	20
Morocco.....	-	-	32
Other.....	253	136	1,554

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

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tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

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Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.



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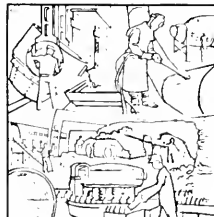
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Flour Milling Products

December 1975

Issued February 1976

SERIES: M20A(75)-12

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

TABLE 1A --SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1975			
December.....	931	370	45,953
November.....	1,038	363	46,049
October.....	991	404	50,329
September.....	1,004	391	48,778
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



U.S. DEPARTMENT OF COMMERCE Bureau of the Census

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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1975

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1975								
December.....	935	20,577	367,865	46,061	3,907	991	94.4	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,186	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5

Note: Data include estimates for small mills.

(NA) Not available. [†]Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	DECEMBER 1975	NOVEMBER 1975	DECEMBER 1974
			QUANTITY	QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
0011173	DURUM WHEAT GROUND.	M CWT	2,521	2,163	2,677
2041153	STRAIGHT SEMOLINA DURUM FLOUR.	DO	1,159	1,124	1,032
2041155	BLENDED SEMOLINA DURUM FLOUR.	M BU	(D)	(D)	(D)
	RYE:				
0011951	RYE GROUND FOR FLOUR.	M CWT	368	314	430
2041611	RYE FLOUR PRODUCTION.	M BU	172	146	197
2041616	RYE MILLFEED PRODUCTION.	TONS	1,886	1,742	2,343
2041611	RYE FLOUR STOCKS (1).	M CWT	22	(NA)	35
	24 HOUR CAPACITY (1).	DO	3	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 CWT.)

GEOGRAPHIC AREA	DECEMBER 1975	NOVEMBER 1975	DECEMBER 1974
	QUANTITY PRODUCED	QUANTITY PRODUCED	QUANTITY PRODUCED
UNITED STATES, TOTAL.	20,577	20,113	19,658
MIDDLE ATLANTIC.	2,604	2,518	2,605
NEW YORK.	2,145	2,061	2,212
NORTH CENTRAL.	11,345	11,376	11,102
OHIO.	1,217	1,308	904
INDIANA.	520	549	479
ILLINOIS.	1,157	1,217	1,013
MICHIGAN.	316	326	280
MINNESOTA.	2,506	2,411	2,448
IOWA.	(D)	(D)	477
MISSOURI.	1,843	1,594	1,812
NEBRASKA.	652	584	615
KANSAS.	2,416	2,409	2,640
SOUTH ATLANTIC.	1,210	1,008	971
EAST SOUTH CENTRAL.	1,133	1,040	932
TENNESSEE.	871	793	738
WEST SOUTH CENTRAL.	1,179	1,119	1,064
OKLAHOMA.	(D)	(D)	510
TEXAS.	552	544	496
MOUNTAIN.	1,238	1,191	1,065
MONTANA.	329	312	304
UTAH.	(D)	(D)	(D)
PACIFIC.	1,868	1,861	1,919
WASHINGTON.	572	572	561
OREGON.	382	381	446
CALIFORNIA AND HAWAII.	914	908	912

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Nov.	Oct.	1 month through Nov. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	212	161	1,957
Guatemala.....	18	-	51
Columbia.....	8	26	144
Ecuador.....	-	6	50
Brazil.....	-	-	43
Israel.....	-	41	78
India.....	-	10	88
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	-	61
South Vietnam.....	-	-	4
Philippine Republic.....	48	17	325
Morocco.....	50	23	411
Other.....	88	48	702
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	588	734	8,694
Nicaragua.....	1	2	13
Jamaica.....	18	61	301
Brazil.....	-	-	53
Iceland.....	8	-	47
Jordan.....	-	1	7
Saudi Arabia.....	432	419	3,597
Sri Lanka (Ceylon).....	-	-	2,001
Egypt.....	-	-	905
Philippine Republic.....	-	-	37
Korean Republic.....	-	-	20
Morocco.....	-	-	32
Other.....	129	252	1,681

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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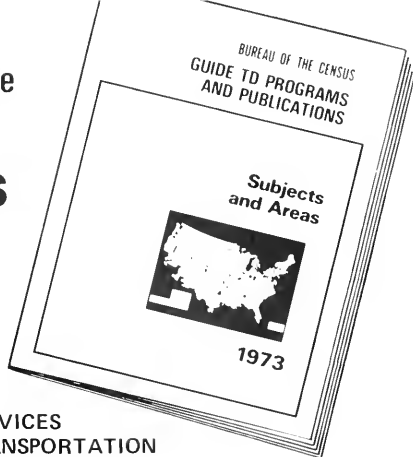
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6. 216:

Flour Milling Products

Summary for 1975



Issued May 1976

Series: M20A(75)-13

This report includes statistics for all the months of 1975 and 1974. All revisions in this series compiled for these years, including more detail by States than are shown in the monthly reports, are incorporated in this publication, thus providing a single reference copy to replace the monthly publications.

SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1975 amounted to 247.1 million cwt. sacks, about 4.9 million cwt. sacks above the 1974 production. Production figures in 1975 and 1974 were at 97.8 and 97.1 percent, respectively, of total annual capacity.

Wheat mills in 1975 and 1974 ground 555.9 and 542.9 million bushels of wheat; corresponding mill-feed production figures for these years were 4,485 and 4,323 thousand tons.

Production of rye flour in 1975 amounted to 2,184 thousand cwt. sacks, compared with 2,685 thousand cwt. sacks in 1974. Rye grindings in 1975 and 1974 were 4,699 and 5,905 thousand bushels, respectively.

DESCRIPTION OF SURVEY

The statistics in this publication are a summary of those collected on Census monthly Form M20A, Flour Milling Products, from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call C. A. Klein (301) 763-7541

The monthly figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and generally limited to a maximum of 25 percent for any one item.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheatmilling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups.

COMPARISON WITH OTHER PUBLICATIONS

In the periodic censuses of manufactures, data on quantity and value of shipments of wheat flour are published under Industry SIC Code 2041, Flour and Other Grain Mill Products.

ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief, Current Nondurables Branch. Carole A. Klein, assisted by Marilyn Milazzo, was directly responsible for the review of the data and preparation of the report. Milton Eisen, Chief of the Division and James Werking, Assistant Chief for Current Programs, provided overall direction and coordination to this project.

U.S. Department of Commerce BUREAU OF THE CENSUS

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Table 1.--SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1942 TO 1975

Year	Wheat flour production (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Milled feed production (1,000 tons)	Average pounds per cwt. sacks of flour		Flour extraction rate ¹ (percent)
				Wheat	Milled feed	
1942.....	221,100	515,300	4,444	139.8	40.2	71.5
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	243,400	565,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,988	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,499	701,799	5,913	137.8	38.7	72.6
1948.....	279,133	639,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,411	4,334	139.6	40.3	71.6
1951.....	229,292	535,233	4,626	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,405	514,028	4,440	139.3	40.1	71.8
1955.....	225,648	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,416	137.7	38.4	72.6
1957.....	238,888	548,532	4,584	137.8	38.4	72.6
1958.....	248,004	566,688	4,713	137.1	38.0	72.9
1959.....	250,568	570,856	4,707	137.0	37.7	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,663	591,654	4,890	135.7	37.4	73.7
1965.....	250,384	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,472	4,619	134.8	36.5	74.1
1967.....	245,240	549,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,649	4,511	134.5	35.5	74.3
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	563,714	4,409	133.6	34.8	74.8
1971.....	249,810	555,092	4,279	133.3	34.3	75.0
1972.....	250,441	557,801	4,303	133.6	34.4	74.8
1973.....	249,265	555,269	4,303	133.7	34.5	74.8
1974.....	242,157	542,904	4,323	134.5	35.7	74.3
1975.....	247,080	555,891	4,485	134.9	36.3	74.1

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census estimates. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

¹Wheat flour production as compared with the amount of wheat ground. ²Based on 1954 Census of Manufactures. See Census report MC-200, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTHS: 1975 AND 1974

Month	Seasonally adjusted			Unadjusted						
	Wheat flour production average per working day (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Wheat flour production (1,000 cwt. sacks)		Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Average pounds per cwt. sack of flour		Flour extraction rate ² (percent)
				Average per working day ¹	Calendar month, total			Wheat	Millfeed	
1975, total.....	(X)	(X)	(X)	(X)	247,080	555,891	4,485	134.9	36.3	74.1
January.....	876	43,231	346	885	19,466	43,927	354	135.4	36.4	73.9
February.....	878	41,445	335	883	17,653	39,746	321	135.1	36.4	74.0
March.....	946	42,944	350	907	19,054	42,831	349	134.9	36.6	74.1
April.....	989	49,219	402	936	20,599	46,375	378	135.1	36.7	74.0
May.....	987	46,451	380	970	20,361	45,718	371	134.7	36.4	74.2
June.....	954	45,435	367	935	19,631	44,375	361	135.6	36.8	73.7
July.....	1,014	48,862	393	962	21,156	47,430	384	134.5	36.3	74.3
August.....	1,024	47,017	382	1,034	21,705	49,017	398	135.5	36.7	73.8
September.....	1,004	48,778	391	1,080	22,681	51,162	409	135.3	36.1	74.0
October.....	1,088	49,802	406	1,049	24,129	54,067	432	134.4	35.8	74.5
November.....	1,038	46,049	363	1,059	20,113	45,241	360	134.9	35.8	74.0
December.....	930	45,892	370	933	20,532	46,000	368	134.4	35.8	74.4
1974, total.....	(X)	(X)	(X)	(X)	242,157	542,904	4,323	134.5	35.7	74.3
January.....	990	48,108	374	1,000	22,066	48,882	383	132.9	34.7	75.0
February.....	1,054	46,939	366	1,060	20,141	45,015	350	134.1	34.8	74.6
March.....	985	46,182	366	944	20,760	46,063	364	133.1	35.1	75.1
April.....	898	43,902	380	840	18,486	41,365	346	134.7	35.3	74.5
May.....	875	42,894	340	860	18,925	42,217	332	133.8	35.1	74.7
June.....	960	42,628	334	931	18,610	41,634	329	134.2	36.5	74.5
July.....	896	43,521	345	851	18,735	42,246	337	135.3	36.0	73.9
August.....	912	43,784	352	921	20,269	45,647	367	135.1	36.2	74.0
September.....	967	44,847	360	1,041	20,837	47,039	377	135.4	36.2	73.8
October.....	937	47,950	388	992	22,817	51,512	415	135.5	36.4	74.0
November.....	1,018	47,851	387	1,043	20,853	47,012	384	135.3	36.8	73.9
December.....	933	44,168	361	936	19,658	44,272	359	135.1	36.5	74.0

(X) Not applicable.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

³Wheat flour production is compared with amount of wheat ground.

Table 3.--COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS: 1975 AND 1974

Month	Rye flour production (1,000 cwt. sacks)	Rye ground for flour (1,000 bushels)	Milled production (tons)	Average pounds ground per cwt. sack of flour		Flour extraction rate ¹ (percent)
				Rye	Milled	
1975, TOTAL.....	1,184	4,499	24,989	123.5	21.9	82.9
January.....	201	437	2,473	121.8	24.6	82.1
February.....	206	468	2,499	121.8	24.3	82.1
March.....	200	435	2,496	121.8	24.9	82.1
April.....	200	426	2,262	119.3	22.6	83.8
May.....	193	416	2,211	120.7	22.9	82.8
June.....	166	375	1,886	126.5	22.7	79.0
July.....	166	351	1,776	119.9	21.7	83.6
August.....	165	349	1,739	118.4	21.1	84.6
September.....	176	372	1,924	118.4	21.9	84.5
October.....	160	408	2,069	120.4	21.9	83.5
November.....	146	314	1,762	120.4	21.9	83.0
December.....	177	368	1,887	116.4	21.3	85.9
1974, TOTAL.....	1,685	5,905	31,329	123.2	21.3	81.4
January.....	262	575	2,821	122.9	21.5	81.4
February.....	249	528	2,576	123.7	21.6	80.7
March.....	251	551	2,767	124.4	21.5	81.7
April.....	232	510	2,669	123.1	23.0	81.2
May.....	202	464	2,021	123.1	20.0	81.2
June.....	211	467	2,470	123.9	23.4	80.7
July.....	222	486	2,432	122.6	21.9	81.6
August.....	222	484	2,582	122.1	23.3	81.9
September.....	207	456	2,632	121.3	25.4	81.1
October.....	225	502	2,147	124.9	26.0	80.0
November.....	214	472	2,829	123.5	26.4	81.0
December.....	197	430	2,243	122.2	24.8	81.8

¹Rye flour production as compared with amount of rye ground.

Table 4.--COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1975 AND 1974

Geographic areas	1975				1974			
	Wheat ground for flour (1,000 bushels)	Wheat flour production			Wheat ground for flour (1,000 bushels)	Wheat flour production		
		Total (1,000 cwt. sacks)	Daily (24 hour) capacity ¹ (cwt. sacks)	Percent of estimated annual capacity ²		Total (1,000 cwt. sacks)	Daily (24 hour) capacity ¹ (cwt. sacks)	Percent of estimated annual capacity ²
UNITED STATES, TOTAL.....	555,891	247,080	991,008	97.8	542,904	242,157	978,276	97.1
Middle Atlantic division.....	69,657	30,829	115,305	104.8	70,271	31,524	113,902	108.5
New York.....	58,111	25,903	95,642	106.2	59,731	26,989	94,371	113.4
North Central region.....	317,944	141,171	566,624	97.7	310,888	138,649	562,029	96.7
Ohio.....	35,349	15,344	69,922	86.4	31,596	13,741	66,909	80.5
Indiana.....	15,293	6,552	21,301	120.8	14,505	6,204	22,285	109.2
Illinois.....	11,928	14,059	62,184	88.7	27,514	12,188	64,365	76.6
Michigan.....	8,397	3,749	19,485	75.3	9,557	3,422	17,724	86.8
Minnesota.....	69,820	31,336	115,337	106.5	68,301	30,926	115,643	104.9
Iowa.....	16,672	(D)	12,396	(D)	14,386	6,383	18,985	131.8
Missouri.....	50,256	22,691	85,746	103.8	48,758	22,067	87,119	103.4
Nebraska.....	17,006	7,198	36,156	82.6	17,093	7,459	33,623	87.0
Kansas.....	67,150	30,497	119,439	100.1	67,343	30,681	117,571	102.3
South Atlantic division.....	28,064	12,074	45,297	100.5	26,925	11,497	51,960	84.8
East South Central division.....	28,868	12,881	50,521	99.9	27,342	11,847	48,113	96.3
Tennessee.....	23,192	10,046	36,781	113.3	20,885	9,091	31,655	112.6
West South Central division.....	13,264	14,801	62,671	92.6	19,047	12,968	34,497	92.6
Oklahoma.....	14,379	(D)	27,677	(D)	13,362	6,232	15,692	95.1
Texas.....	16,478	7,109	30,694	90.8	15,316	6,658	28,113	92.5
Mountain division.....	29,313	12,976	66,344	76.7	29,667	13,300	60,999	85.9
Montana.....	7,500	(D)	14,386	(D)	7,023	3,243	12,407	102.5
Utah.....	13,892	(D)	26,171	(D)	13,983	(D)	27,505	(D)
Pacific division.....	46,781	22,348	84,246	104.0	48,964	22,372	86,170	101.6
Washington.....	12,995	5,909	26,915	80.1	14,872	5,761	26,663	48.6
Oregon.....	11,650	5,136	20,225	103.5	11,930	5,454	22,225	84.4
California ³ and Hawaii.....	24,146	11,103	37,106	117.3	22,162	10,267	34,180	117.8

(D) Withheld to avoid disclosing figures for individual companies.

¹Capacity as reported for December of each year. ²Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 335 for 1975, and 355 for 1974. This figure is calculated on the basis of a 3-shift week with allowances for the following holidays unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 31. ³Data include Hawaii.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS: 1975 AND 1974

Quarter	Production (1,000 cwt. sacks)	Mill stocks (1,000 cwt. sacks)
1975:		
First.....	56,173	4,755
Second.....	60,591	4,434
Third.....	65,542	4,140
Fourth.....	64,774	3,907
1974		
First.....	62,967	5,297
Second.....	56,021	3,748
Third.....	59,841	3,885
Fourth.....	63,328	4,499

Table 6.--DURUM WHEAT PRODUCTS: 1975 AND 1974

Item	1975		1974	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels).....	15,922	17,071	16,745	16,250
Straight semolina and durum flour produced (thousand sacks (cwt.)).....	6,510	7,315	7,154	(D)
Blended semolina and durum flour produced (thousand sacks (cwt.)).....	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION: 1975 AND 1974

(Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data".)

Item	Manufacturers' production (1,000 cwt.)	Exports of domestic merchandise		Percent, exports to manufacturers' production	Imports for consumption (1,000 cwt.)	Calculated import duty (\$1,000)	Apparent consumption ^a (1,000 cwt.)	Percent, imports to apparent consumption
		Quantity (1,000 cwt.)	Value (\$1,000)					
		1975						
Wheat flour.....	247,080	² 11,917	² 125,606	4.8	(^a)	(NA)	235,163	(NA)
Semolina and durum flour.....	13,825	³ 19	³ 233	0.1	(^a)	(NA)	13,806	(NA)
		1974						
Wheat flour.....	242,157	² 14,201	² 150,356	5.9	(^a)	(NA)	227,956	(NA)
Semolina and durum flour.....	(D)	³ 85	³ 593	(NA)	(^a)	(NA)	(D)	(NA)

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

¹Source: Bureau of the Census Report PT 610, U.S. Exports of Domestic Merchandise: SIC-Based Products and Areas.²1975 Schedule B codes 0460110, 0460120.³1975 and 1974 Schedule B code 0460130.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also see footnote 5 below.⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated. (1314000 is "Wheat, Milled, Fit for Human Consumption;" 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) **Valuation**—Domestic producers' shipments, or production, are usually valued at the point of production—the factory, mine, or farm.

On the other hand, exports are by definition valued at the point of exportation—seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each

commodity line in the table, but sufficient information is not available on the transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) **Duplication in Quantity and Value of Output**—Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) **Low-Value Export and Import Transactions**

Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) **Manufacturers' Shipments, Not Specified by Kind**—The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) **Time Lag Between Output and Exports**—There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) **"Direct" vs "Total" Commodity Exports**—The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) **Used Commodities** With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.



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Flour Milling Products

January 1976

Issued March 1976

SERIES: M20A(76)-1

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1973 to 1976

(Seasonally adjusted)			
Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
January.....	1,062	372	47,350
1975			
December.....	930	370	45,892
November.....	1,038	363	46,049
October.....	991	406	50,329
September.....	1,004	391	48,778
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	44,219
March.....	966	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	917	388	47,950
September.....	967	380	44,867
August.....	912	352	43,786
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108
1973			
December.....	1,043	358	46,765

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 10, July 4, Labor Day, Thanksgiving Day, and December 25.

Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1973 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
January.....	1,073	21,452	380,720	48,112	(NA)	991	108.2	74.3
1975								
December.....	933	20,532	368,067	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,831	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0
1973								
December.....	1,049	20,972	355,889	46,912	5,505	962	109.0	74.5

Note: Data included estimates for small mills.

(NA) Not available. ¹ Revised by 5 percent or more.¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	JANUARY 1976	DECEMBER 1975	JANUARY 1975
			QUANTITY	QUANTITY	QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
0011173	DURUM WHEAT GROUND.	M CWT	3,047	2,521	3,219
2041153	STRAIGHT SEMOLINA DURUM FLOUR.	OO	1,297	1,159	1,320
2041155	BLENDED SEMOLINA DURUM FLOUR.	M BU	(D)	(D)	(D)
	RYE:				
0011951	RYE GROUND FOR FLOUR.	M CWT	390	368	437
2041611	RYE FLOUR PRODUCTION.	M BU	181	177	207
2041616	RYE MILLFEED PRODUCTION.	TONS	2,052	1,887	2,473
2041611	RYE FLOUR STOCKS (1).	M CWT	15	22	(NA)
	24 HOUR CAPACITY (1).	OO	9	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹These data exclude all flour blended by macaroni and spaghetti manufacturers ect. as such activities are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

TABLE 3.--WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 CWT.)

GEOGRAPHIC AREA	WHEATGROUND FOR FLOUR		WHEAT FLOUR PRODUCTION		
	JANUARY 1976 QUANTITY PRODUCED	DECEMBER 1975 QUANTITY PRODUCED	JANUARY 1976 QUANTITY PRODUCED	DECEMBER 1975 QUANTITY PRODUCED	JANUARY 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	48,112	46,000	21,452	20,532	19,466
MIDDLE ATLANTIC.	6,158	5,916	2,720	2,603	2,396
NEW YORK.	5,043	4,818	2,247	2,144	2,092
NORTH CENTRAL.	26,876	25,514	11,943	11,324	11,366
OHIO.	3,015	2,777	1,315	1,217	1,293
INDIANA.	1,361	1,227	571	521	508
ILLINOIS.	2,895	2,652	1,279	1,172	1,039
MICHIGAN.	747	699	326	310	261
MINNESOTA.	5,329	5,661	2,660	2,522	2,590
IOWA.	(D)	(D)	(D)	(D)	453
MISSOURI.	4,215	4,103	1,906	1,849	1,718
NEBRASKA.	1,426	1,520	603	668	510
KANSAS.	5,489	5,250	2,492	2,367	2,510
SOUTH ATLANTIC.	2,576	2,690	1,160	1,209	922
EAST SOUTH CENTRAL.	2,498	2,467	1,149	1,133	975
TENNESSEE.	2,006	1,986	879	871	776
WEST SOUTH CENTRAL.	2,649	2,690	1,175	1,195	1,373
OKLAHOMA.	1,165	1,095	(D)	(D)	500
TEXAS.	1,256	1,319	541	568	813
MOUNTAIN.	3,138	2,800	1,389	1,238	755
MONTANA.	597	730	269	329	243
UTAH.	(D)	(D)	(D)	(D)	(D)
PACIFIC.	4,217	3,923	1,916	1,830	1,679
WASHINGTON.	1,378	1,272	620	572	430
OREGON.	890	756	403	344	442
CALIFORNIA AND HAWAII.	1,949	1,895	893	914	807

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Dec.	Nov.	1 month through Dec. 1975
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	76	212	2,033
Guatemala.....	3	18	54
Columbia.....	-	8	144
Ecuador.....	-	-	50
Brazil.....	-	-	43
Israel.....	-	-	78
India.....	-	-	88
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	25	-	86
South Vietnam.....	-	-	4
Philippine Republic.....	9	48	334
Morocco.....	31	50	442
Other.....	8	88	710
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	422	588	9,116
Nicaragua.....	1	1	14
Jamaica.....	9	18	310
Brazil.....	2	-	55
Iceland.....	1	8	48
Jordan.....	-	-	7
Saudi Arabia.....	300	432	3,897
Sri Lanka (Ceylon).....	-	-	2,001
Egypt.....	-	-	905
Philippine Republic.....	-	-	37
Korean Republic.....	-	-	20
Morocco.....	-	-	32
Other.....	109	129	1,790

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

-Represents zero.

DESCRIPTION OF SURVEY

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

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Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

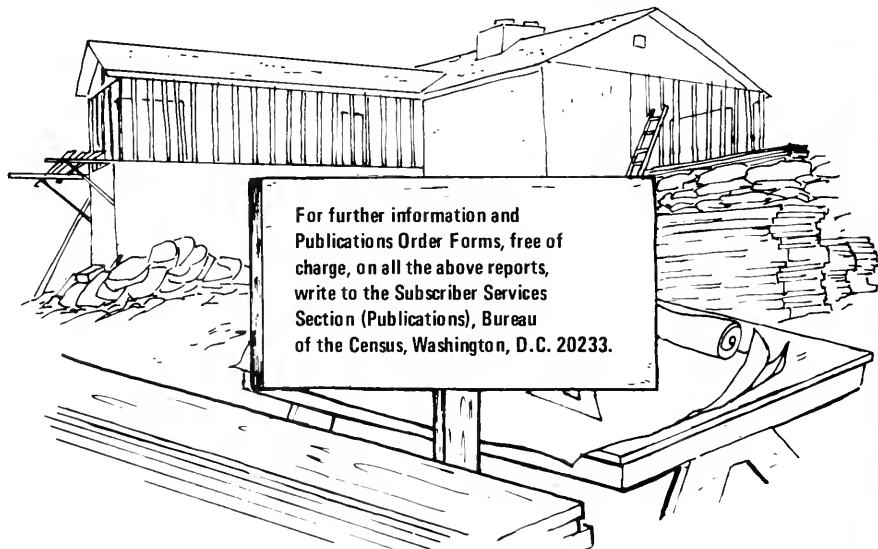
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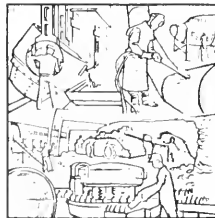
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Flour Milling Products

February 1976

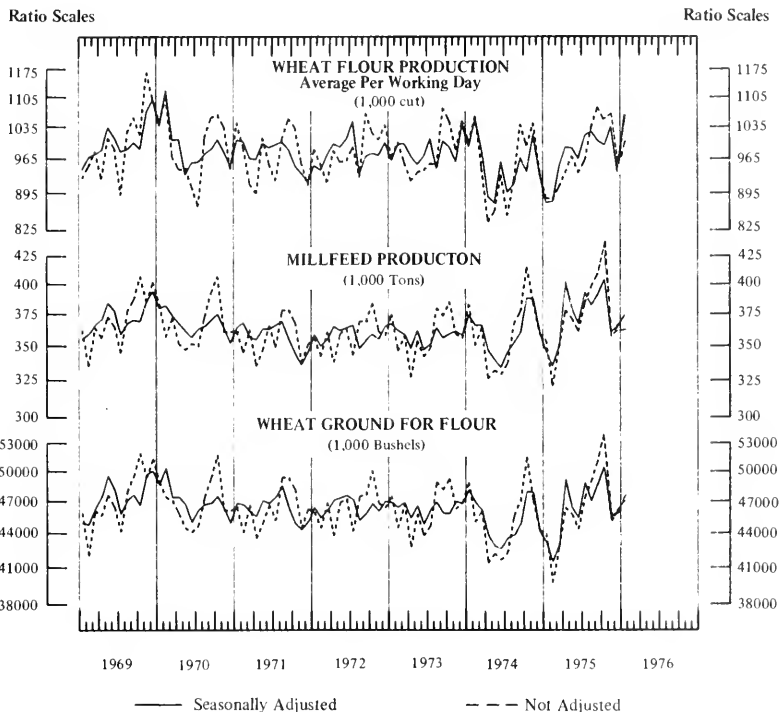


Issued April 1976

SERIES: M20A(76)-2

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



U.S. DEPARTMENT OF COMMERCE Bureau of the Census

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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
February.....	988	367	46,532
January.....	^r 992	365	46,457
1975			
December.....	930	370	45,892
November.....	1,038	363	46,049
October.....	991	404	50,329
September.....	1,004	391	48,778
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939
January.....	990	374	48,108

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

^r Revised by 5 percent or more.

¹ The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving, Day and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING, 1974 to 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ³ (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ¹ (percent)
	Average per working day ¹	Calendar month total						
1976								
February.....	r 994	19,876	351,083	44,625	(NA)	991	r 100.3	74.2
January.....	r 1,002	21,034	373,719	47,204	(NA)	991	r 101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,399	377,876	46,375	(NA)	959	97.6	74.0
March.....	r 907	19,054	349,068	42,833	4,755	959	r 94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6
January.....	1,000	21,993	383,037	48,882	(NA)	962	103.9	75.0

Note: Data included estimates for small mills.

(NA) Not available. ² Revised by 5 percent or more.¹ The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³ Collected quarterly.⁴ Wheat flour production, as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

PRODUCT CODE	DESCRIPTION OF ITEM	UNIT OF MEASURE	FEBRUARY 1976 QUANTITY	JANUARY 1976 QUANTITY	FEBRUARY 1975 QUANTITY
	DURUM WHEAT (INCLUDED IN TABLE 1 DATA):				
0011173	DURUM WHEAT GROUND.	M BU	3,318	3,063	2,816
2041153	STRAIGHT SEMOLINA DURUM FLOUR.	M CWT	1,452	1,306	1,159
2041155	BLENDED SEMOLINA DURUM FLOUR.	DO	(D)	(D)	(D)
	RYE:				
0011951	RYE GROUND FOR FLOUR.	M BU	308	390	448
2041611	RYE FLOUR PRODUCTION.	M CWT	142	181	206
2041618	RYE MILLFEED PRODUCTION.	TONS	1,645	2,040	2,499
2041611	RYE FLOUR STOCKS (1).	M CWT	(NA)	(NA)	(NA)
	24 HOUR CAPACITY (1).	DO	9	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

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¹Collected quarterly. These data exclude all flour blended by macaroni and spaghetti manufacturers ect. as such activities are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 CWT.)

GEOGRAPHIC AREA	WHEAT GROUND FOR FLOUR		WHEAT FLOUR PRODUCTION		
	FEBRUARY 1976 QUANTITY PRODUCED	JANUARY 1976 QUANTITY PRODUCED	FEBRUARY 1976 QUANTITY PRODUCED	JANUARY 1976 QUANTITY PRODUCED	FEBRUARY 1975 QUANTITY PRODUCED
UNITED STATES, TOTAL.	44,625	47,204	19,876	21,034	17,653
MIDDLE ATLANTIC.	5,559	^F 5,741	2,462	^F 2,530	2,215
NEW YORK.	4,660	^F 4,725	2,072	^F 2,097	1,883
NORTH CENTRAL.	25,312	26,367	11,204	^F 11,692	10,370
OHIO.	2,797	3,015	1,224	1,315	1,145
INDIANA.	1,120	1,361	478	571	483
ILLINOIS.	2,726	^F 2,689	1,203	^F 1,187	1,004
MICHIGAN.	704	742	310	325	286
MINNESOTA.	5,880	5,835	2,656	2,620	2,354
IOWA.	(D)	(D)	(D)	(D)	451
MISSOURI.	3,875	4,184	1,744	1,874	1,666
NEBRASKA.	1,356	1,426	573	603	510
KANSAS.	5,173	5,316	2,279	2,406	2,075
SOUTH ATLANTIC.	2,474	2,527	1,119	1,153	805
EAST SOUTH CENTRAL.	2,484	2,498	1,137	1,149	912
TENNESSEE.	2,014	2,006	880	879	728
WEST SOUTH CENTRAL.	2,652	2,749	1,182	1,222	1,022
OKLAHOMA.	1,127	1,223	(D)	(D)	459
TEXAS.	1,331	1,298	579	560	491
MOUNTAIN.	2,471	3,125	1,093	1,382	702
MONTANA.	542	597	245	269	271
UTAH.	(D)	(D)	(D)	(D)	(D)
PACIFIC.	3,673	4,197	1,679	1,906	1,627
WASHINGTON.	1,161	1,378	523	620	476
OREGON.	682	890	310	403	382
CALIFORNIA AND HAWAII.	1,830	1,929	846	883	769

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(1,000 cwt.)

Country to which exported	Jan.	Dec.	1 month through Jan. 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	76	50	76
Guatemala.....	3	-	3
Columbia.....	-	-	-
Ecuador.....	-	6	-
Brazil.....	-	-	-
Israel.....	-	-	-
India.....	-	-	-
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	25	-	25
South Vietnam.....	-	-	-
Philippine Republic.....	9	-	9
Morocco.....	31	39	31
Other.....	8	5	8
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	422	547	422
Nicaragua.....	1	5	1
Jamaica.....	9	40	9
Brazil.....	2	-	2
Iceland.....	5	15	5
Jordan.....	-	-	-
Saudi Arabia.....	318	409	318
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	-	1	-
Philippine Republic.....	-	1	-
Korean Republic.....	19	-	19
Morocco.....	-	-	-
Other.....	68	76	68

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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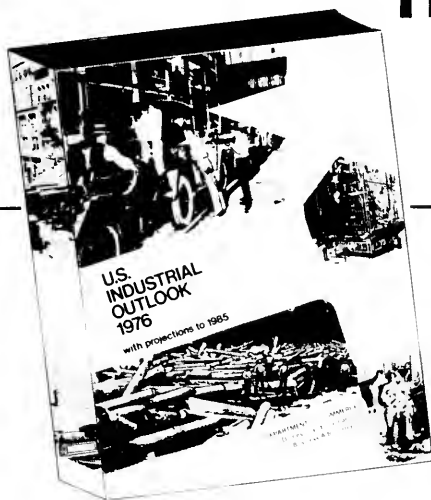
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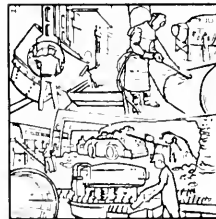
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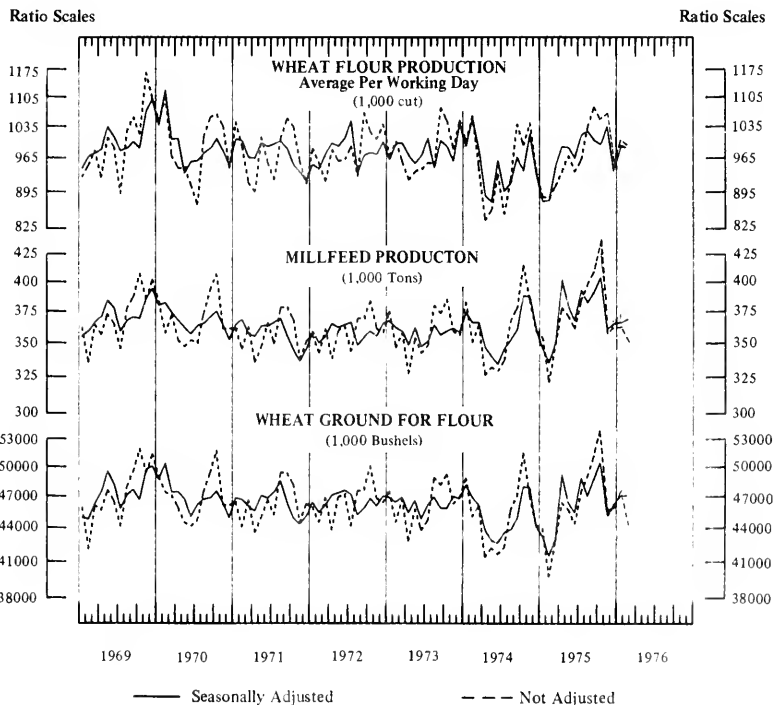
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Issued May 1976

SERIES: M20A(76)-3

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Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
March.....	992	389	49,237
February.....	989	367	46,583
January.....	^r 992	365	46,457
1975			
December.....	930	370	45,892
November.....	1,038	363	46,049
October.....	991	404	50,329
September.....	1,004	391	48,778
August.....	1,024	382	47,017
July.....	1,014	393	48,862
June.....	964	367	45,435
May.....	987	380	46,451
April.....	989	402	49,219
March.....	946	350	42,944
February.....	878	335	41,445
January.....	876	346	43,231
1974			
December.....	933	361	44,168
November.....	1,018	387	47,851
October.....	937	388	47,950
September.....	967	360	44,847
August.....	912	352	43,784
July.....	896	345	43,521
June.....	960	334	42,628
May.....	875	340	42,894
April.....	888	347	43,902
March.....	985	366	46,182
February.....	1,054	366	46,939

Note: Data include from 2- to 5- percent estimation for nonresponse. The seasonal factors have been updated through 1973 and include factors for 1974 as shown in the May 1974 publication.

^rRevised by 5 percent or more.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
March.....	951	21,881	387,364	49,110	4,510	997	95.4	74.2
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,795	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,340	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5
March.....	944	20,760	364,253	46,063	5,297	996	99.3	75.1
February.....	1,060	20,141	350,161	45,015	(NA)	962	104.7	74.6

Note: Data included estimates for small mills.

(NA) Not available. ¹Revised by 5 percent or more.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	March 1976 (Quantity)	February 1976 (Quantity)	March 1975 (Quantity)
0011173	Durum wheat (included in table 1 data):				
2041153	Durum wheat ground.....	M bu	3,280	3,318	2,528
2041155	Straight semolina durum flour.....	M cwt	1,424	1,452	1,048
	Blended semolina durum flour.	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	353	308	435
2041611	Rye flour production.....	M cwt	163	142	200
2041618	Rye millfeed production.....	tons	1,939	1,645	2,496
2041611	Rye flour stocks ¹	M cwt	66	(NA)	29
	24 hour capacity ¹	do	9	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such activities are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

Geographic area	(1,000 cwt.)				
	Wheat ground for flour		Wheat flour production		
	March 1976 (Quantity produced)	February 1976 (Quantity produced)	March 1976 (Quantity produced)	February 1976 (Quantity produced)	March 1975 (Quantity produced)
United States, total.	49,110	44,674	21,881	19,891	19,054
Middle Atlantic.....	6,077	5,571	2,692	2,467	2,399
New York.....	5,019	4,660	2,240	2,072	2,037
North Central.....	27,912	25,447	12,390	11,260	10,950
Ohio.....	3,107	2,800	1,355	1,225	1,225
Indiana.....	1,435	1,120	608	478	512
Illinois.....	3,117	2,806	1,380	1,237	1,109
Michigan.....	810	704	358	310	310
Minnesota.....	6,015	5,880	2,702	2,656	2,417
Iowa.....	(D)	(D)	(D)	(D)	441
Missouri.....	4,230	3,875	1,911	1,744	1,787
Nebraska.....	1,666	1,356	706	573	510
Kansas.....	5,683	5,225	2,554	2,300	2,253
South Atlantic.....	2,541	2,475	1,133	1,118	949
East South Central.....	2,656	2,456	1,222	1,125	1,020
Tennessee.....	2,118	1,986	928	868	830
West South Central.....	2,953	2,652	1,317	1,182	1,033
Oklahoma.....	1,384	1,127	(D)	(D)	415
Texas.....	1,386	1,331	602	579	521
Mountain.....	2,768	2,471	1,225	1,093	821
Montana.....	594	542	270	245	279
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,203	3,602	1,902	1,646	1,882
Washington.....	1,218	1,090	546	490	553
Oregon.....	825	682	360	310	438
California and Hawaii.....	2,160	1,830	996	846	891

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

¹Revised by 5 percent or more.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	Jan.	Dec.	1 month through Jan. 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	112	76	188
Guatemala.....	20	3	23
Columbia.....	-	-	-
Ecuador.....	4	-	4
Brazil.....	8	-	8
Israel.....	27	-	27
India.....	-	-	-
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	25	25
South Vietnam.....	-	-	-
Philippine Republic.....	-	9	9
Morocco.....	42	31	73
Other.....	11	8	19
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	377	422	799
Nicaragua.....	1	1	2
Jamaica.....	7	9	16
Brazil.....	-	2	2
Iceland.....	8	5	13
Jordan.....	3	-	3
Saudi Arabia.....	246	318	564
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	10	-	10
Philippine Republic.....	-	-	-
Korean Republic.....	-	19	19
Morocco.....	-	-	-
Other.....	102	68	170

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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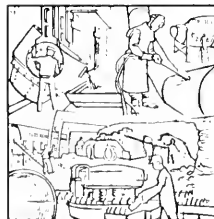


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Flour Milling Products

April 1976

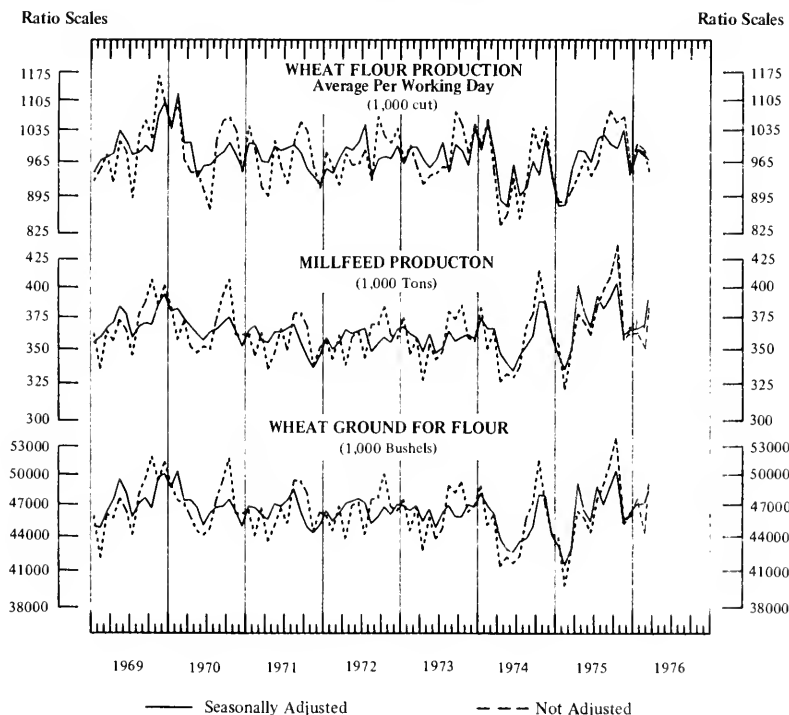


Issued June 1976

SERIES: M20A(76)-4

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.



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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Milled production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
April.....	976	386	50,039
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
1975			
December.....	915	367	45,198
November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
July.....	1,004	387	48,429
June.....	954	379	47,374
May.....	1,001	382	46,985
April.....	957	392	48,866
March.....	923	362	43,532
February.....	884	329	41,433
January.....	884	333	42,638
1974			
December.....	919	367	46,366
November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308
May.....	884	335	42,576
April.....	856	343	44,418

Note: Data include from 2- to 5- percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in Table 1C.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Milled production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
April.....	954	20,981	368,588	46,937	(NA)	997	95.7	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7
April.....	840	18,486	325,595	41,365	(NA)	996	84.4	74.5

Note: Data included estimates for small mills.

(NA) Not available. ¹Revised by 5 percent or more.²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.³Collected quarterly.⁴Wheat flour production as compared with amount of wheat ground.

TABLE 1C.--COMBINED FINAL SEASONAL AND TRADING DAY FACTORS: 1974 TO 1976

Flour production	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
One year ahead--1976												
Average per day.....	99.8	99.9	98.3	97.7	96.7	97.9	95.6	98.6	107.8	104.5	101.1	102.3
Milled production.....	104.9	99.5	99.4	95.5	94.9	97.9	97.1	102.5	107.1	106.2	97.2	100.9
Wheat grinding.....	101.2	98.5	101.2	93.8	95.5	96.3	96.2	101.4	107.6	109.5	98.8	102.7
1975												
Average production.....	100.1	99.9	98.3	97.8	96.9	98.0	95.8	98.7	107.5	104.3	101.0	102.2
Milled production.....	106.4	97.2	96.5	96.5	97.1	95.2	99.2	102.2	104.7	109.2	96.0	100.1
Wheat grinding.....	103.0	95.9	98.4	94.9	97.3	93.9	97.9	101.5	105.5	112.4	97.9	101.9
1974												
Average production.....	100.6	100.0	98.3	98.1	97.3	98.4	96.3	98.9	106.8	103.9	100.8	101.9
Milled production.....	107.0	97.4	97.0	95.1	99.0	95.6	98.5	103.6	102.5	109.5	97.1	97.9
Wheat grinding.....	103.1	95.8	99.1	93.1	99.2	93.7	97.3	102.7	104.2	112.1	99.0	99.8

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	April 1976 (Quantity)	March 1976 (Quantity)	April 1975 (Quantity)
	Durum wheat (included in table 1 data):				
001173	Durum wheat ground.....	M bu	2,480	3,249	2,549
2041153	Straight semolina durum flour.....	M cwt	1,062	1,409	993
2041153	Blended semolina durum flour.....	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	333	353	426
2041611	Rye flour production.....	M cwt	150	163	200
2041618	Rye milled production.....	tons	1,820	1,939	2,262
2041611	Rye flour stocks ¹	M cwt	(NA)	66	(NA)
	24 hour capacity ¹	do	9	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such activities are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	April 1976 (Quantity produced)	March 1976 (Quantity produced)	April 1976 (Quantity produced)	March 1976 (Quantity produced)	April 1975 (Quantity produced)
United States, total.	46,937	48,845	20,981	21,771	20,599
Middle Atlantic.....	5,483	6,108	2,435	2,703	2,466
New York.....	4,537	5,019	2,027	2,240	2,070
North Central.....	26,696	27,698	11,888	12,300	11,756
Ohio.....	2,964	3,107	1,301	1,355	1,260
Indiana.....	1,205	1,421	513	603	540
Illinois.....	2,789	3,099	1,235	1,375	1,062
Michigan.....	736	809	327	358	314
Minnesota.....	5,671	6,015	2,558	2,702	2,570
Iowa.....	(D)	(D)	(D)	(D)	506
Missouri.....	4,238	4,198	1,912	1,899	1,957
Nebraska.....	1,467	1,666	621	706	558
Kansas.....	5,931	5,534	2,671	2,486	2,597
South Atlantic.....	2,583	2,540	1,156	1,134	978
East South Central.....	2,411	2,657	1,115	1,222	1,088
Tennessee.....	1,918	2,118	843	928	883
West South Central.....	3,072	2,884	1,371	1,285	1,247
Oklahoma.....	1,499	1,384	(D)	(D)	601
Texas.....	1,331	1,317	572	570	556
Mountain.....	2,623	2,768	1,158	1,225	1,068
Montana.....	590	594	267	270	(D)
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,069	4,190	1,858	1,902	1,996
Washington.....	1,232	1,292	566	581	563
Oregon.....	797	783	347	346	458
California and Hawaii.....	2,040	2,115	945	975	975

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

¹Revised by 5 percent or more.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	March	Feb.	3 months through March 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	68	112	256
Guatemala.....	-	20	23
Colombia.....	-	-	-
Ecuador.....	-	4	4
Brazil.....	-	8	8
Israel.....	-	27	27
India.....	14	-	14
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	-	25
South Vietnam.....	-	-	-
Philippine Republic.....	17	-	26
Morocco.....	21	42	94
Other.....	16	11	35
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	502	377	1,301
Nicaragua.....	1	1	3
Jamaica.....	7	7	23
Brazil.....	-	-	2
Iceland.....	4	8	17
Jordan.....	-	3	3
Saudi Arabia.....	364	246	928
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	-	10	10
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	19
Morocco.....	-	-	-
Other.....	126	102	296

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

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Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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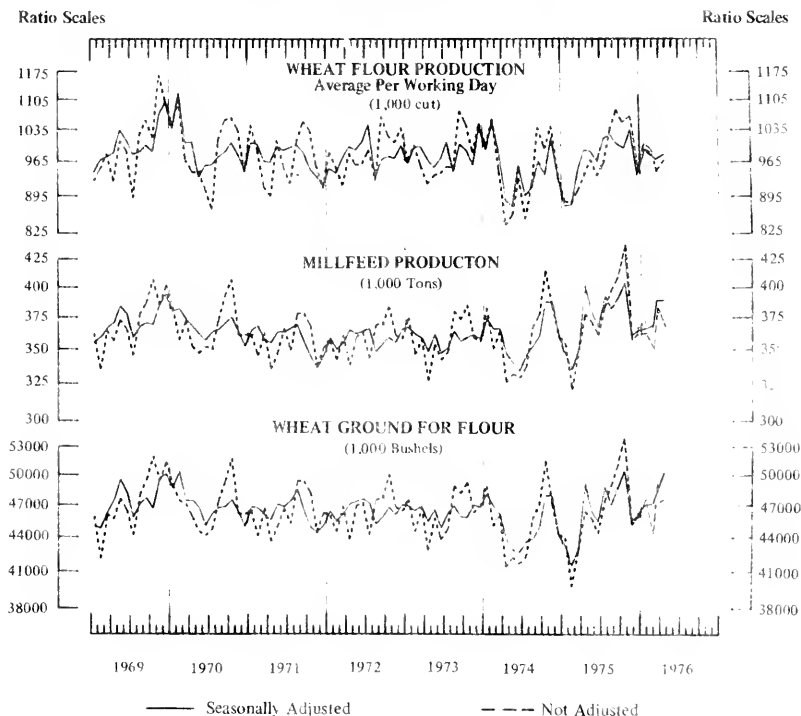
May 1976

Issued July 1976

SERIES: M20A(76)-5

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Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233.

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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)			
Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
May.....	1,084	386	49,023
April.....	983	387	50,311
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
1975			
December.....	915	367	45,198
November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
July.....	1,004	387	48,429
June.....	954	379	47,374
May.....	1,001	382	46,985
April.....	957	392	48,866
March.....	923	362	43,532
February.....	884	329	41,433
January.....	884	333	42,638
1974			
December.....	919	367	44,366
November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308
May.....	884	335	42,576

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 to 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
May.....	1,048	20,954	366,771	46,817	(NA)	997	105.1	74.5
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	44,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	939	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,416	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.6
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5
May.....	860	18,925	332,118	42,217	(NA)	996	86.4	74.7

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturday: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 1C.--COMBINED FINAL SEASONAL AND TRADING DAY FACTORS: 1974 to 1976

Flour production	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
One year ahead--1976												
Average per day.....	99.8	99.9	98.3	97.7	96.7	97.9	95.6	98.6	107.8	104.5	101.1	102.3
Millfeed production.....	104.9	99.5	99.4	95.5	94.9	97.9	97.1	102.5	107.1	106.2	97.2	100.9
Wheat grinding.....	101.2	98.5	101.2	93.8	95.5	96.3	96.2	101.4	107.6	109.5	98.8	102.7
1975												
Average production.....	100.1	99.9	98.3	97.8	96.9	98.0	95.8	98.7	107.5	104.3	101.0	102.2
Millfeed production.....	106.4	97.2	96.5	96.5	97.1	95.2	99.2	102.2	104.7	109.2	96.0	100.1
Wheat grinding.....	103.0	95.9	98.4	94.9	97.3	93.9	97.9	101.5	105.5	112.4	97.9	101.9
1974												
Average production.....	100.6	100.0	98.3	98.1	97.3	98.4	96.3	98.9	106.8	103.9	100.8	101.9
Millfeed production.....	107.0	97.4	97.0	95.1	99.0	95.6	98.5	103.6	102.5	109.5	97.1	97.9
Wheat grinding.....	103.1	95.8	99.1	93.1	99.2	93.7	97.3	102.7	104.2	112.1	99.0	99.8

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	May 1976 (Quantity)	April 1976 (Quantity)	May 1975 (Quantity)
	Durum wheat (included in table 1 data):				
0011173	Durum wheat ground.....	M bu	2,553	2,431	2,615
2041153	Straight semolina durum flour.....	M cwt	1,126	1,062	1,069
2041155	Blended semolina durum flour..	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	241	333	416
2041611	Rye flour production.....	M cwt	110	150	193
2041618	Rye millfeed production.....	tons	1,173	1,820	2,111
2041611	Rye flour stocks ¹	M cwt	(NA)	(NA)	(NA)
	24 hour capacity ¹	do	9	9	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

Geographic area	(1,000 cwt.)				
	Wheat ground for flour		Wheat flour production		
	May 1976 (Quantity produced)	April 1976 (Quantity produced)	May 1976 (Quantity produced)	April 1976 (Quantity produced)	May 1975 (Quantity produced)
United States, total...	46,817	47,192	20,954	21,113	20,361
Middle Atlantic.....	5,958	5,484	2,649	2,435	2,550
New York.....	4,867	4,538	2,174	2,027	2,118
North Central.....	26,345	26,938	11,720	12,005	11,477
Ohio.....	2,114	2,973	916	1,306	1,099
Indiana.....	1,292	1,186	548	504	518
Illinois.....	2,906	2,789	1,294	1,235	1,100
Michigan.....	762	739	326	328	289
Minnesota.....	5,595	5,730	2,527	2,585	2,689
Iowa.....	(D)	(D)	(D)	(D)	405
Missouri.....	4,424	4,266	1,989	1,924	1,940
Nebraska.....	1,470	1,467	626	621	570
Kansas.....	6,131	6,088	2,765	2,752	2,470
South Atlantic.....	2,632	2,588	1,210	1,159	868
East South Central.....	2,471	2,411	1,141	1,115	1,032
Tennessee.....	1,970	1,918	865	843	828
West South Central.....	3,024	3,074	1,346	1,372	1,308
Oklahoma.....	1,417	1,499	(D)	(D)	633
Texas.....	1,362	1,333	586	573	587
Mountain.....	2,570	2,623	1,139	1,158	1,061
Montana.....	589	590	271	267	(D)
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	3,817	4,074	1,749	1,869	2,065
Washington.....	1,128	1,189	515	565	688
Oregon.....	714	7845	319	379	421
California and Hawaii.....	1,975	2,040	915	945	956

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

Revised by 5 percent or more from previously published data.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	April	March	4 months through April 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	230	68	486
Guatemala.....	17	-	40
Colombia.....	19	-	19
Ecuador.....	1	-	5
Brazil.....	-	-	8
Israel.....	28	-	55
India.....	13	14	27
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	8	-	33
South Vietnam.....	-	-	-
Philippine Republic.....	20	17	46
Morocco.....	83	21	177
Other.....	41	16	70
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,143	502	2,444
Nicaragua.....	5	1	8
Jamaica.....	16	7	39
Brazil.....	-	-	2
Iceland.....	11	4	28
Jordan.....	66	-	69
Saudi Arabia.....	617	364	1,545
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	364	-	374
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	19
Morocco.....	-	-	-
Other.....	64	126	360

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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June 1976

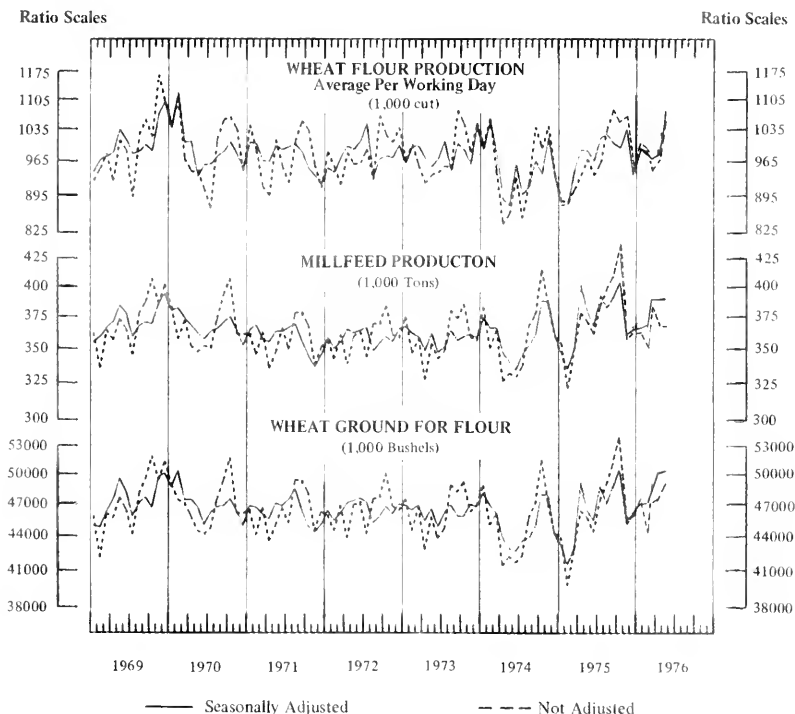


Issued August 1976

SERIES: M20A(76)-6

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Wheat Flour Milling, 1969—1976



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(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
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June.....	931	384	53,607
May.....	1,080	389	51,287
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March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
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September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
June.....	911	20,964	375,697	51,624	3,867	986	92.4	67.7
May.....	1,044	20,871	369,318	48,979	(NA)	967	108.0	71.0
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	445,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	June 1976 (Quantity)	May 1976 (Quantity)	June 1975 (Quantity)
	Durum wheat (included in Table 1 data):				
0011173	Durum wheat ground.....	M bu	2,581	2,564	2,195
2041153	Straight semolina durum flour.....	M cwt	1,140	1,062	921
2041155	Blended semolina durum flour..	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	301	251	375
2041611	Rye flour production.....	M cwt	212	113	175
2041618	Rye millfeed production.....	tons	1,591	1,267	1,886
2041611	Rye flour stocks ¹	M cwt	405	(NA)	27
	24 hour capacity ¹	do	8	8	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	June 1976 (Quantity produced)	May 1976 (Quantity produced)	June 1976 (Quantity produced)	May 1976 (Quantity produced)	June 1975 (Quantity produced)
United States, total...	51,624	¹ 48,979	20,964	20,871	19,631
Middle Atlantic.....	6,094	6,027	2,699	2,679	2,490
New York.....	5,046	4,983	2,249	2,226	2,105
North Central.....	26,488	26,311	11,709	11,706	11,206
Ohio.....	2,726	2,207	1,185	² 950	1,201
Indiana.....	1,248	1,292	520	548	525
Illinois.....	2,917	2,865	1,280	1,275	1,111
Michigan.....	742	741	320	325	281
Minnesota.....	5,669	5,595	2,547	2,527	2,506
Iowa.....	(D)	(D)	(D)	(D)	349
Missouri.....	4,304	4,424	1,923	1,989	1,717
Nebraska.....	1,479	1,470	619	626	619
Kansas.....	5,734	6,046	2,584	2,731	2,528
South Atlantic.....	2,456	² 2,525	1,104	1,162	945
East South Central.....	2,591	2,518	1,127	1,103	1,075
Tennessee.....	1,987	1,924	866	844	838
West South Central.....	3,153	2,990	1,400	1,333	1,090
Oklahoma.....	1,502	1,417	(D)	(D)	419
Texas.....	1,366	1,361	585	586	581
Mountain.....	2,878	2,570	1,247	1,139	945
Montana.....	616	589	278	271	273
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	3,669	3,817	1,678	1,749	1,880
Washington.....	1,011	1,128	459	515	582
Oregon.....	731	714	324	319	397
California and Hawaii.....	1,927	1,975	895	915	901

Note: Detail may not add to total due to independent rounding.

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²Revised by 5 percent or more from previously published data.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	May	April	5 months through May 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	114	230	600
Guatemala.....	-	17	40
Colombia.....	15	19	34
Ecuador.....	-	1	5
Brazil.....	-	-	8
Israel.....	-	28	55
India.....	-	13	27
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	8	33
South Vietnam.....	-	-	-
Philippine Republic.....	5	20	51
Morocco.....	80	83	257
Other.....	14	41	90
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,758	1,143	4,202
Nicaragua.....	-	5	8
Jamaica.....	10	16	49
Brazil.....	16	-	18
Iceland.....	7	11	35
Jordan.....	27	66	96
Saudi Arabia.....	526	617	2,071
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	1,058	364	1,432
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	19
Morocco.....	26	-	26
Other.....	88	64	445

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

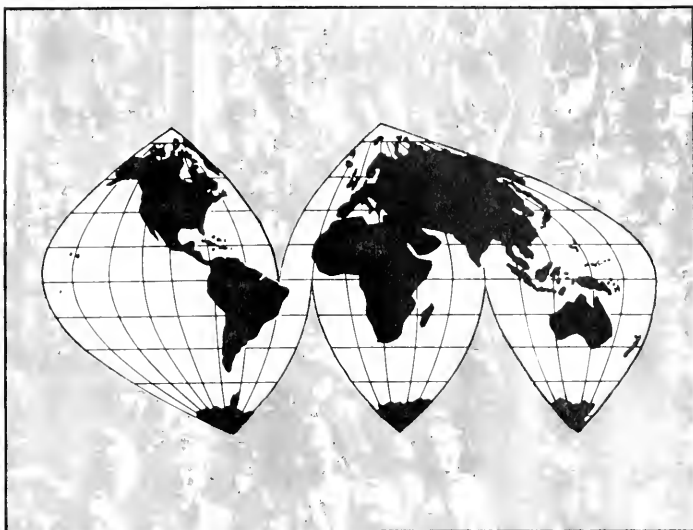
Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

July 1976

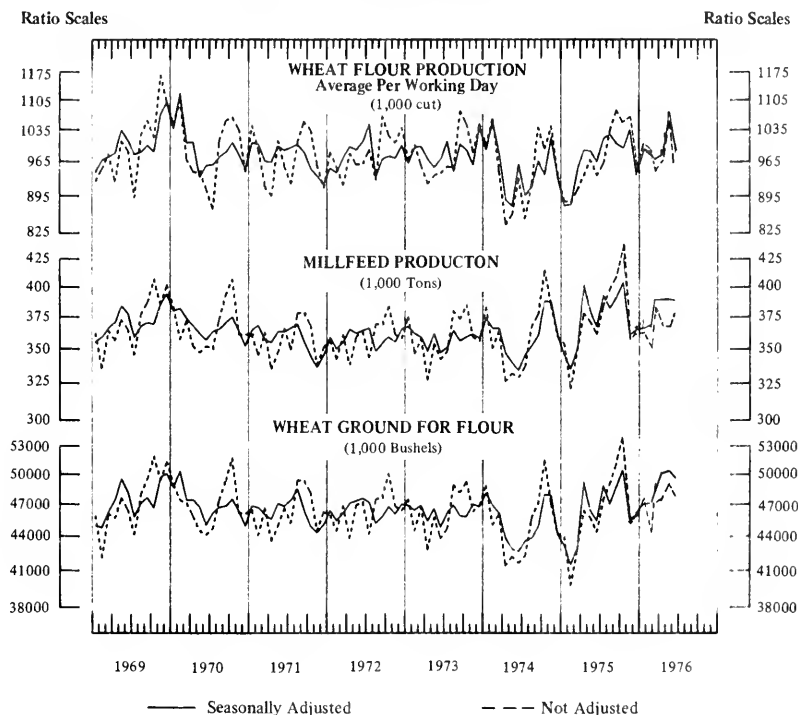


Issued August 1976

SERIES: M20A(76)-7

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carole Klein, (301) 763-7541.

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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
July.....	1,042	411	51,703
June.....	^r 978	387	^r 49,476
May.....	1,080	389	^r 51,287
April.....	983	387	50,311
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
1975			
December.....	915	367	45,198
November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
July.....	1,004	387	48,429
June.....	954	379	47,374
May.....	1,001	382	46,985
April.....	957	392	48,866
March.....	923	362	43,532
February.....	884	329	41,433
January.....	884	333	42,638
1974			
December.....	919	367	44,366
November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

^rRevised.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
July.....	996	21,915	399,394	49,738	(NA)	1,020	102.3	73.4
June.....	957	21,059	378,582	47,645	3,923	990	96.7	76.7
May.....	1,044	20,871	369,318	48,979	(NA)	967	108.0	71.0
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
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October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
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November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
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June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

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TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	July 1976 (Quantity)	June 1976 (Quantity)	July 1975 (Quantity)
	Durum wheat (included in table 1 data):				
0011173	Durum wheat ground.....	M bu	2,398	2,581	2,477
2041153	Straight semolina durum flour.....	M cwt	1,013	1,143	997
2041155	Blended semolina durum flour..	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	259	266	351
2041611	Rye flour production.....	M cwt	175	181	166
2041618	Rye millfeed production.....	tons	1,309	1,396	1,776
2041611	Rye flour stocks.....	M cwt	399	402	(NA)
	24 hour capacity.....	do	8	8	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	July 1976 (Quantity produced)	June 1976 (Quantity produced)	July 1976 (Quantity produced)	June 1976 (Quantity produced)	July 1975 (Quantity produced)
United States, total...	49,738	47,645	21,915	21,059	21,232
Middle Atlantic.....	6,165	6,153	2,725	2,731	2,568
New York.....	5,256	5,131	2,334	2,287	2,119
North Central.....	28,141	26,661	12,379	11,772	12,321
Ohio.....	3,071	2,726	1,329	1,187	1,253
Indiana.....	1,349	1,248	572	520	557
Illinois.....	2,887	2,964	1,247	1,295	1,246
Michigan.....	734	744	315	322	307
Minnesota.....	5,604	5,681	2,519	2,554	2,704
Iowa.....	(D)	(D)	(D)	(D)	383
Missouri.....	4,604	4,304	2,043	1,923	1,916
Nebraska.....	1,617	1,479	678	619	679
Kansas.....	6,554	5,846	2,920	2,621	2,872
South Atlantic.....	2,620	2,447	1,143	1,066	1,011
East South Central.....	2,551	2,591	1,102	1,127	1,135
Tennessee.....	1,977	1,987	855	866	870
West South Central.....	3,253	3,161	1,424	1,395	1,255
Oklahoma.....	1,595	1,502	(D)	(D)	543
Texas.....	1,420	1,375	597	580	634
Mountain.....	3,011	2,878	1,309	1,247	1,205
Montana.....	668	616	307	278	288
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	3,997	3,754	1,833	1,721	1,737
Washington.....	1,320	1,123	595	511	519
Oregon.....	660	704	293	315	437
California and Hawaii.....	2,017	1,927	945	895	981

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TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	June	May	5 months through June 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	277	114	877
Guatemala.....	6	-	46
Colombia.....	26	15	60
Ecuador.....	3	-	8
Brazil.....	-	-	8
Israel.....	31	-	86
India.....	138	-	165
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	5	-	38
South Vietnam.....	-	-	-
Philippine Republic.....	-	5	51
Morocco.....	14	80	271
Other.....	54	-	144
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	2,164	1,758	6,366
Nicaragua.....	2	-	10
Jamaica.....	8	10	57
Brazil.....	-	16	18
Iceland.....	16	7	51
Jordan.....	-	27	96
Saudi Arabia.....	826	526	2,897
Sri Lanka (Ceylon).....	-	-	-
Egypt.....	1,163	1,058	2,595
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	19
Morocco.....	-	-	26
Other.....	149	88	597

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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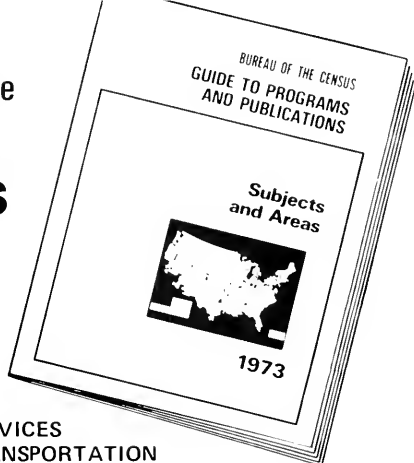
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Flour Milling Products

August 1976

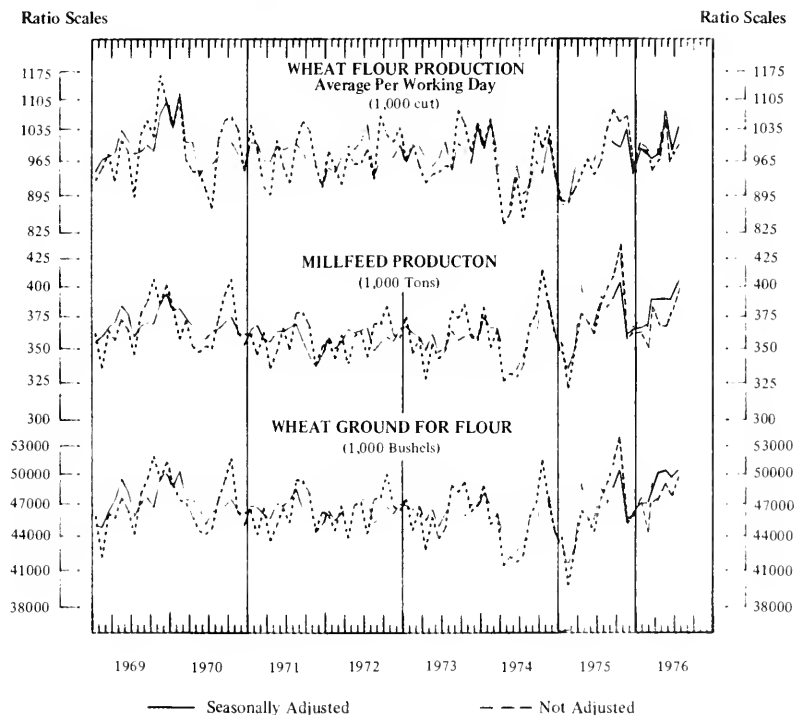


Issued September 1976

SERIES: M20A(76)-8

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carole Klein, (301) 763-7541.

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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
August.....	1,114	425	53,670
July.....	1,035	407	51,218
June.....	^r 978	387	^r 49,476
May.....	1,080	389	^r 51,287
April.....	983	387	50,311
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
1975			
December.....	915	367	45,198
November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
July.....	1,004	387	48,429
June.....	954	379	47,374
May.....	1,001	382	46,985
April.....	957	392	48,866
March.....	923	362	43,532
February.....	884	329	41,433
January.....	884	333	42,638
1974			
December.....	919	367	44,366
November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

^r Revised.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production	Wheat ground for flour	Wheat flour mill stocks ²	Daily 24-hour capacity in wheat flour ²	Wheat flour produced as percent of capacity	Flour extraction rate ³
	Average per working day ¹	Calendar month total						
1976								
August.....	1,098	24,163	435,860	54,421	(NA)	990	110.9	74.0
July.....	989	21,751	395,596	49,272	(NA)	990	100.1	73.6
June.....	^R 957	21,059	378,582	47,645	3,923	990	96.7	^R 73.7
May.....	1,044	20,871	369,318	46,758	(NA)	997	104.7	74.4
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,213	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	August 1976 (Quantity)	July 1976 (Quantity)	August 1975 (Quantity)
0011173	Durum wheat (included in table 1 data):				
2041153	Durum wheat ground.....	M bu	3,166	2,438	3,182
2041155	Straight semolina durum flour.....	M cwt	1,370	1,043	1,281
	Blended semolina durum flour.	do	(D)	(D)	(D)
0011951	Rye:				
2041611	Rye ground for flour ¹	M bu	309	305	349
2041618	Rye flour production ¹	M cwt	138	137	165
2041618	Rye millfeed production ¹	tons	1,858	1,680	1,739
2041611	Rye flour stocks ²	M cwt	399	399	(NA)
	24 hour capacity ²	do	8	8	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding. These data exclude all flour blended by macaroni and spaghetti manufacturers, etc., as such are not within scope of this survey. Only mills engaged in milling flour or meal are included in this survey.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Revised by 5 percent or more from previously published figures.

²These data for June should be revised to read as follows:

Rye ground for flour	350
Rye flour production	183
Rye milled production	1,933

²Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	August 1976 (Quantity produced)	July 1976 (Quantity produced)	August 1976 (Quantity produced)	July 1976 (Quantity produced)	August 1975 (Quantity produced)
United States, total...	54,421	49,272	24,163	21,751	21,705
Middle Atlantic.....	6,398	6,053	2,852	2,678	2,749
New York.....	5,462	5,224	2,443	2,321	2,321
North Central.....	31,525	27,825	13,916	12,266	12,397
Ohio.....	3,383	3,034	1,463	1,312	1,372
Indiana.....	1,416	1,325	604	560	557
Illinois.....	3,237	2,699	1,406	1,154	1,266
Michigan.....	812	735	353	315	301
Minnesota.....	6,717	5,584	3,035	2,514	2,852
Iowa.....	(D)	(D)	379	365	384
Missouri.....	4,929	4,604	2,185	2,043	1,869
Nebraska.....	1,922	1,614	814	677	648
Kansas.....	7,086	6,625	3,166	2,964	2,695
South Atlantic.....	2,897	2,623	1,279	1,143	972
East South Central.....	2,713	2,551	1,164	1,102	1,097
Tennessee.....	2,094	1,977	899	855	829
West South Central.....	3,513	3,252	1,554	1,435	1,374
Oklahoma.....	1,692	1,597	770	722	673
Texas.....	1,590	1,417	681	607	612
Mountain.....	3,025	2,929	1,393	1,298	1,259
Montana.....	821	671	372	309	277
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,350	3,989	2,005	1,829	1,857
Washington.....	1,330	1,312	602	591	349
Oregon.....	754	660	336	293	530
California and Hawaii.....	2,266	2,017	1,067	945	978

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	July 1976	June 1976	7 months through July 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	95	277	972
Guatemala.....	-	6	46
Colombia.....	10	26	70
Ecuador.....	2	3	10
Brazil.....	-	-	8
Israel.....	6	31	92
India.....	7	138	172
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	15	5	53
Philippine Republic.....	-	-	-
Morocco.....	-	14	-
Other.....	55	54	199
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	1,236	2,164	7,602
Nicaragua.....	1	2	11
Jamaica.....	22	8	79
Brazil.....	-	-	18
Iceland.....	3	16	54
Jordan.....	-	-	96
Saudi Arabia.....	406	826	3,303
Sri Lanka (Ceylon).....	653	-	653
Egypt.....	11	1,163	2,606
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	19
Morocco.....	1	-	27
Other.....	139	149	736

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110: wheat flour (except meal and groats). 0460120: wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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Flour Milling Products

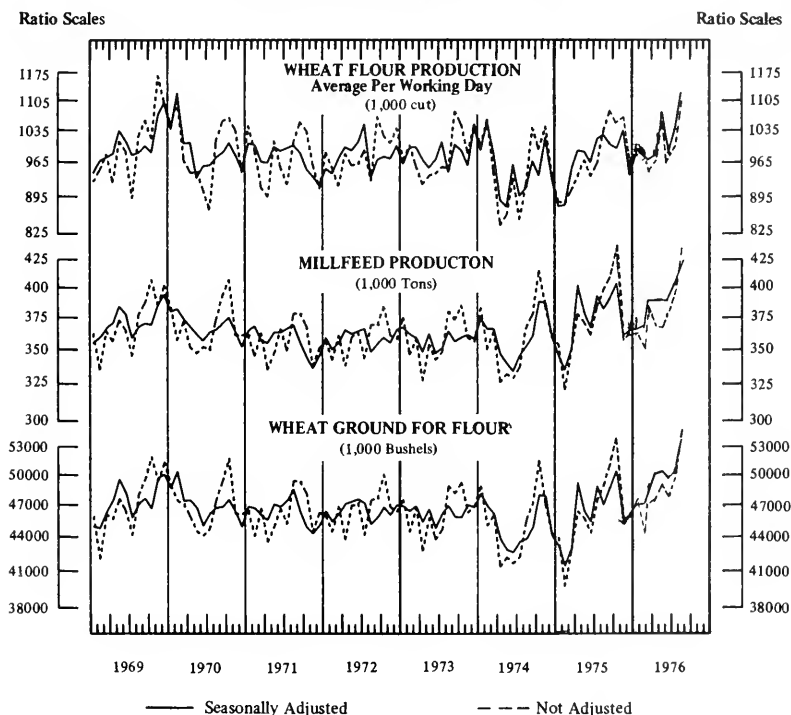
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Wheat Flour Milling, 1969—1976



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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 to 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
September.....	977	389	48,504
August.....	1,119	427	53,879
July.....	1,035	407	51,218
June.....	978	387	49,476
May.....	1,080	389	51,287
April.....	983	387	50,311
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
1975			
December.....	915	367	45,198
November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
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March.....	923	362	43,532
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January.....	884	333	42,638
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November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,448
July.....	884	341	43,433
June.....	946	344	44,308

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

¹Revised.

²The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
September.....	1,053	23,168	416,518	52,190	3,621	998	105.5	74.0
August.....	1,103	24,257	437,548	54,634	(NA)	990	111.4	74.0
July.....	989	21,751	395,596	49,272	(NA)	990	100.1	73.6
June.....	957	21,059	378,582	47,645	3,923	990	96.7	73.7
May.....	1,044	20,871	369,318	46,758	(NA)	997	104.7	74.4
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	96.9	74.3
February.....	995	19,891	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	398,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
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May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
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August.....	921	20,269	366,762	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	September 1976 (Quantity)	August 1976 (Quantity)	September 1975 (Quantity)
	Durum wheat (included in table 1 data):				
0011173	Durum wheat ground.....	M cwt	3,293	3,186	3,031
2041153	Straight semolina durum flour.....	do	1,503	1,329	1,260
2041155	Blended semolina durum flour.	M bu	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour ¹	M cwt	298	322	372
2041611	Rye flour production ¹	M bu	135	144	176
2041618	Rye millfeed production ¹	tons	1,722	1,855	1,929
2041611	Rye flour stocks ²	M cwt	23	(NA)	28
	24 hour capacity ²	do	9	8	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Revised by 5% or more from previously published figures.

²Collected quarterly.

²The data as shown for June 1976 should be revised to read 16.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	September 1976 (Quantity produced)	August 1976 (Quantity produced)	September 1976 (Quantity produced)	August 1976 (Quantity produced)	September 1975 (Quantity produced)
United States, total...	52,190	54,634	23,168	24,257	22,681
Middle Atlantic.....	6,573	6,565	2,932	2,918	2,864
New York.....	5,499	5,462	2,465	2,443	2,398
North Central.....	29,960	31,460	13,258	13,888	13,003
Ohio.....	3,412	3,383	1,476	1,463	1,444
Indiana.....	1,200	1,420	510	605	616
Illinois.....	3,114	3,277	1,348	1,421	1,294
Michigan.....	837	804	367	350	359
Minnesota.....	6,275	6,656	2,873	3,010	2,740
Iowa.....	(D)	(D)	(D)	(D)	(D)
Missouri.....	4,845	4,881	2,145	2,169	2,184
Nebraska.....	1,706	1,922	701	814	670
Kansas.....	6,654	7,094	2,986	3,166	2,869
South Atlantic.....	2,662	2,891	1,187	1,280	1,133
East South Central.....	2,615	2,713	1,118	1,164	1,141
Tennessee.....	1,995	2,094	854	899	862
West South Central.....	3,178	3,513	1,406	1,554	1,329
Oklahoma.....	1,475	1,692	670	770	671
Texas.....	1,436	1,590	618	681	593
Mountain.....	2,923	3,025	1,313	1,393	1,329
Montana.....	720	821	324	372	320
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,279	4,467	1,954	2,060	1,882
Washington.....	1,393	1,331	620	600	348
Oregon.....	758	870	336	393	540
California and Hawaii.....	2,130	2,266	998	1,067	994

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	August 1976	July 1976	8 months through August 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	125	95	1,096
Guatemala.....	-	-	46
Colombia.....	8	10	78
Ecuador.....	-	2	10
Brazil.....	11	-	19
Israel.....	-	6	92
India.....	-	7	172
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	13	15	66
Philippine Republic.....	-	-	51
Morocco.....	80	-	351
Other.....	13	55	211
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	2,080	1,236	9,684
Nicaragua.....	3	1	13
Jamaica.....	18	22	98
Brazil.....	38	-	56
Iceland.....	7	3	60
Jordan.....	-	-	97
Saudi Arabia.....	319	406	3,621
Sri Lanka (Ceylon).....	1,139	653	1,792
Egypt.....	347	11	2,954
Philippine Republic.....	-	-	-
Korean Republic.....	-	-	20
Morocco.....	-	1	27
Other.....	209	139	946

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

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The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

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This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

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Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.



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Flour Milling Products

November 1976

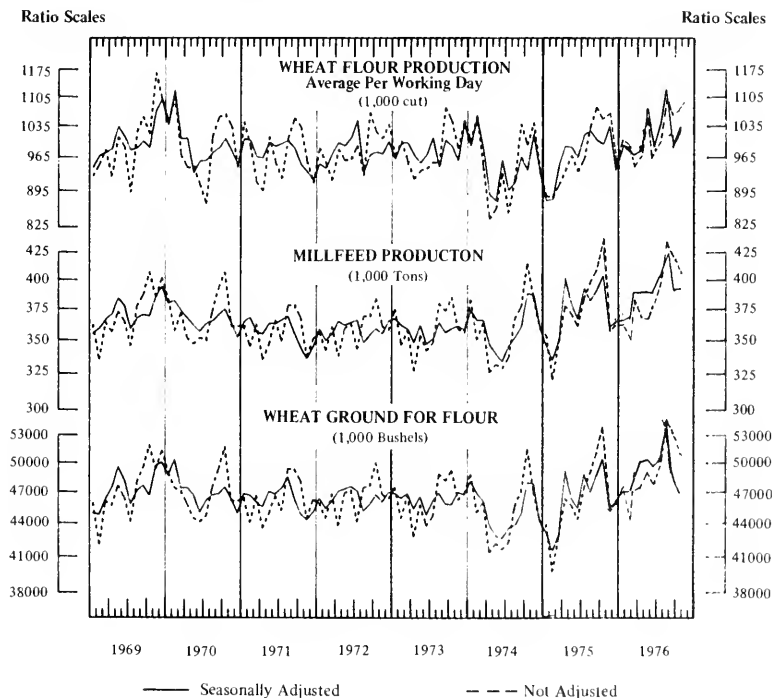


Issued January 1977

SERIES: M20A(76)-11

The statistics in this publication are based on a survey of manufacturers and represent the entire U.S. production and grain consumption of commercial wheat and rye flour mills. Estimates are included for companies whose reports were not received in time for tabulation. A more complete description of the survey appears on page 6.

Wheat Flour Milling, 1969—1976



Inquiries concerning these figures should be addressed to the U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Thomas Flood, (301) 763-2415.



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TABLE 1A.--SUMMARY OF WHEAT FLOUR MILLING: 1974 TO 1976

(Seasonally adjusted)

Month and year	Wheat flour production average per working day ¹ (1,000 cwt)	Millfeed production (1,000 tons)	Wheat ground for flour (1,000 bushels)
1976			
November.....	939	387	46,603
October.....	1,035	386	46,773
September.....	977	389	48,536
August.....	1,119	427	53,879
July.....	1,035	407	51,218
June.....	978	387	49,476
May.....	1,080	389	51,287
April.....	983	387	50,311
March.....	963	387	48,266
February.....	996	353	45,354
January.....	1,004	356	46,644
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November.....	1,049	375	46,207
October.....	1,006	396	48,112
September.....	1,005	391	48,506
August.....	1,048	390	48,306
July.....	1,004	387	48,429
June.....	954	379	47,374
May.....	1,001	382	46,985
April.....	957	392	48,866
March.....	923	362	43,532
February.....	884	329	41,433
January.....	884	333	42,638
1974			
December.....	919	367	44,364
November.....	1,035	395	47,486
October.....	955	379	45,963
September.....	975	369	45,134
August.....	931	354	44,668
July.....	884	361	43,433
June.....	946	344	44,308

Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day, and December 25.

TABLE 16.--SUMMARY OF WHEAT FLOUR MILLING: 1974 to 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
November.....	949	20,880	376,552	47,116	(NA)	998	95.1	73.9
October.....	1,082	22,723	410,072	51,226	(NA)	998	108.4	73.9
September.....	1,053	23,178	417,142	52,225	3,621	998	105.5	73.4
August.....	1,103	24,257	437,548	54,634	(NA)	990	111.4	74.0
July.....	989	21,751	295,596	49,272	(NA)	990	100.1	73.6
June.....	957	21,059	278,582	47,645	3,923	990	96.7	73.7
May.....	1,044	20,871	369,318	46,758	(NA)	997	104.7	74.4
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	94.9	74.3
February.....	995	19,981	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	298,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	4,499	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,231	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	3,885	995	104.7	73.8
August.....	921	20,269	366,752	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,246	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	November 1976 (Quantity)	October 1976 (Quantity)	November 1975 (Quantity)
	Durum wheat (included in table 1 data):				
0011173	Durum wheat ground.....	M bu	3,034	3,072	3,392
2041153	Straight semolina durum flour.....	M cwt	1,363	1,379	1,492
2041155	Blended semolina durum flour.....	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	325	285	408
2041611	Rye flour production.....	M cwt	143	130	190
2041618	Rye millfeed production.....	tons	1,772	1,661	2,089
2041611	Rye flour stocks ¹	M cwt	(NA)	(NA)	(NA)
	24 hour capacity ¹	do	9	9	10

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour		Wheat flour production		
	November 1976 (Quantity produced)	October 1976 (Quantity produced)	November 1976 (Quantity produced)	October 1976 (Quantity produced)	November 1975 (Quantity produced)
United States, total...	47,116	51,216	20,880	22,726	24,129
Middle Atlantic.....	6,032	6,699	2,724	3,006	3,014
New York.....	4,976	5,646	2,253	2,543	2,558
North Central.....	26,337	28,989	11,608	12,839	13,774
Ohio.....	3,182	3,493	1,369	1,507	1,582
Indiana.....	1,228	1,438	518	608	666
Illinois.....	2,719	3,113	1,188	1,351	1,439
Michigan.....	900	863	349	375	396
Minnesota.....	5,718	6,264	2,604	2,869	2,990
Iowa.....	(D)	(D)	(D)	(D)	(D)
Missouri.....	4,241	4,674	1,889	2,078	2,194
Nebraska.....	1,593	1,592	679	671	692
Kansas.....	5,027	5,736	2,247	2,574	2,991
South Atlantic.....	2,648	2,626	1,182	1,176	1,273
East South Central.....	2,500	2,697	1,078	1,148	1,231
Tennessee.....	1,937	2,104	840	898	936
West South Central.....	2,807	2,905	1,238	1,280	1,422
Oklahoma.....	1,126	1,228	511	559	719
Texas.....	1,426	1,387	610	591	600
Mountain.....	2,673	2,833	1,180	1,250	1,417
Montana.....	676	713	306	325	366
Utah.....	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,119	4,467	1,870	2,027	1,998
Washington.....	1,255	1,500	558	667	461
Oregon.....	740	802	331	363	506
California and Hawaii.....	2,124	2,165	981	997	1,031

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	October 1976	September 1976	10 months through October 1976
WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY (0460110)			
Total.....	255	192	1,543
Guatemala.....	-	-	46
Colombia.....	6	10	94
Ecuador.....	-	-	10
Brazil.....	-	5	24
Israel.....	30	-	122
India.....	32	21	225
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	36	102
Philippine Republic.....	82	20	153
Morocco.....	42	94	586
Other.....	63	6	281
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA (0460120)			
Total.....	992	2,447	13,123
Nicaragua.....	1	3	17
Jamaica.....	25	6	129
Brazil.....	-	14	70
Iceland.....	8	17	85
Jordan.....	-	-	97
Saudi Arabia.....	544	229	4,394
Sri Lanka (Ceylon).....	187	219	2,198
Egypt.....	160	1,878	4,992
Philippine Republic.....	-	2	4
Korean Republic.....	-	-	20
Morocco.....	-	-	27
Other.....	67	79	1,090

Note: Data in this table are taken from Foreign Trade publication FT 410, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

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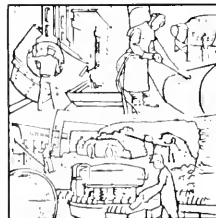
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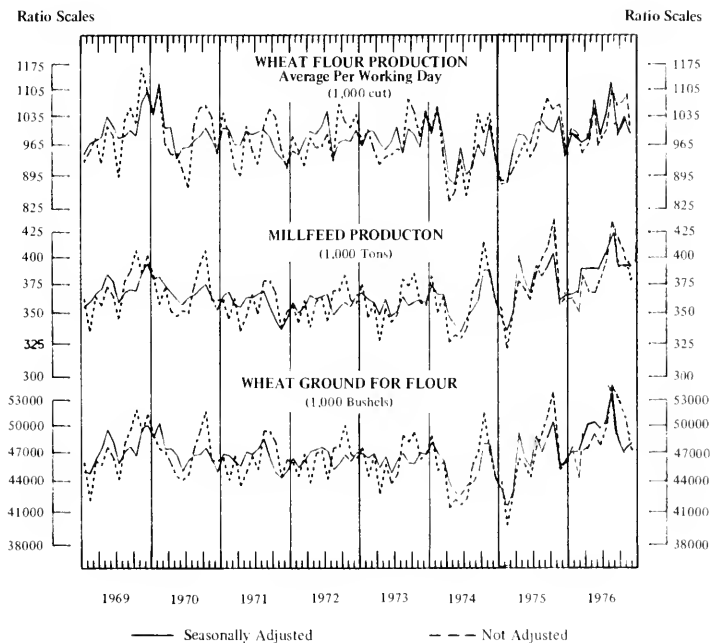
December 1976

Issued January 1977

SERIES: M20A(76)-12

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Note: Data include from 2- to 5-percent estimation for nonresponse. The data for 1974 and 1975 have been revised based on the new seasonal factors as shown in the April 1976 publication.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day, and December 25.

TABLE 1B.--SUMMARY OF WHEAT FLOUR MILLING- 1974 to 1976

(Not seasonally adjusted)

Month and year	Wheat flour production (1,000 cwt.)		Millfeed production (tons)	Wheat ground for flour (1,000 bushels)	Wheat flour mill stocks ² (1,000 cwt.)	Daily 24-hour capacity in wheat flour ² (1,000 cwt.)	Wheat flour produced as percent of capacity	Flour extraction rate ³ (percent)
	Average per working day ¹	Calendar month total						
1976								
December.....	901	20,732	369,693	46,635	4,334	990	91.0	74.1
November.....	1,001	21,031	379,784	47,486	(NA)	998	100.3	73.8
October.....	1,082	22,723	410,072	51,216	(NA)	998	108.4	73.9
September.....	1,053	23,178	417,142	52,225	3,621	998	105.5	73.4
August.....	1,103	24,257	437,548	54,634	(NA)	990	111.4	74.0
July.....	989	21,751	295,596	49,272	(NA)	990	100.1	73.6
June.....	957	21,059	278,582	47,645	3,923	990	96.7	73.7
May.....	1,044	20,871	369,318	46,758	(NA)	997	104.7	74.4
April.....	960	21,113	369,972	47,192	(NA)	997	96.3	74.5
March.....	947	21,771	384,578	48,845	4,510	997	96.9	74.3
February.....	995	19,981	351,557	44,674	(NA)	991	100.4	74.2
January.....	1,002	21,034	373,719	47,204	(NA)	991	101.1	74.3
1975								
December.....	933	20,532	368,047	46,000	3,907	991	94.1	74.4
November.....	1,059	20,113	359,798	45,241	(NA)	995	106.9	74.0
October.....	1,049	24,129	432,009	54,067	(NA)	995	105.4	74.4
September.....	1,080	22,681	409,197	51,162	4,140	995	108.5	74.0
August.....	1,034	21,705	298,052	49,017	(NA)	988	104.7	73.8
July.....	962	21,156	383,995	47,430	(NA)	988	97.4	74.3
June.....	935	19,631	361,216	44,375	4,434	988	94.6	73.7
May.....	970	20,361	371,310	45,718	(NA)	959	101.1	74.2
April.....	936	20,599	377,876	46,375	(NA)	959	97.6	74.0
March.....	907	19,054	349,068	42,833	4,755	959	94.6	74.1
February.....	883	17,653	320,553	39,746	(NA)	967	91.2	74.0
January.....	885	19,466	354,360	43,927	(NA)	967	91.5	73.9
1974								
December.....	936	19,658	358,722	44,272	3,885	967	96.8	74.0
November.....	1,043	20,853	384,077	47,012	(NA)	995	104.8	73.9
October.....	992	22,817	415,231	51,512	(NA)	995	100.0	74.0
September.....	1,041	20,837	376,616	47,039	4,499	995	104.7	73.8
August.....	921	20,269	366,752	45,647	(NA)	1,008	91.4	74.0
July.....	851	18,735	336,533	42,266	(NA)	1,008	84.6	73.9
June.....	931	18,610	328,782	41,634	3,748	1,008	92.4	74.5

Note: Data included estimates for small mills.

(NA) Not available.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays: January 1, Memorial Day, Independence Day, Thanksgiving Day, and December 25.²Collected quarterly.³Wheat flour production as compared with amount of wheat ground.

TABLE 2.--DURUM WHEAT AND RYE: FLOUR PRODUCTION, GRAIN CONSUMPTION, MILL STOCKS AND CAPACITY

Product code	Description of item	Unit of measure	December 1976 (Quantity)	November 1976 (Quantity)	December 1975 (Quantity)
0011173	Durum wheat (included in table 1 data):				
2041153	Durum wheat ground.....	M bu	2,917	3,034	2,521
2041155	Straight semolina durum flour.....	M cwt	1,304	1,363	1,159
	Blended semolina durum flour.....	do	(D)	(D)	(D)
	Rye:				
0011951	Rye ground for flour.....	M bu	993	325	368
2041611	Rye flour production.....	M cwt	187	143	177
2041618	Rye millfeed production.....	tons	2,100	1,772	1,887
2041611	Rye flour stocks ¹	M cwt	24	(NA)	22
	24 hour capacity ¹	do	10	10	9

Note: Data include estimates for small mills. Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

(NA) Not available.

¹Collected quarterly.

TABLE 3.--WHEAT GROUND FOR FLOUR AND WHEAT FLOUR PRODUCTION BY DIVISIONS AND STATES

(1,000 cwt.)

Geographic area	Wheat ground for flour			Wheat ground for flour		
	December 1976 (Quantity consumed)	November 1976 (Quantity consumed)	December 1975 (Quantity consumed)	December 1976 (Quantity produced)	November 1976 (Quantity produced)	December 1975 (Quantity produced)
United States, total...	46,535	47,486	46,000	20,732	21,031	20,532
Middle Atlantic.....	6,034	6,202	5,916	2,714	2,788	2,603
New York.....	4,952	4,976	4,818	2,234	2,253	2,144
North Central.....	25,943	26,525	25,514	11,530	11,705	11,324
Ohio.....	2,869	3,182	2,777	1,242	1,369	1,217
Indiana.....	1,263	1,228	1,227	529	518	521
Illinois.....	2,709	2,875	2,652	1,192	1,260	1,172
Michigan.....	744	902	699	324	350	310
Minnesota.....	5,676	5,718	5,661	2,610	2,604	2,522
Iowa.....	(D)	(D)	(D)	(D)	(D)	(D)
Missouri.....	4,352	4,241	4,103	1,929	1,889	1,849
Nebraska.....	1,568	1,603	1,520	671	683	648
Kansas.....	4,984	5,049	5,250	2,244	2,265	2,367
South Atlantic.....	2,323	2,708	2,690	1,038	1,196	1,209
East South Central.....	2,693	2,500	2,467	1,148	1,078	1,133
Tennessee.....	2,046	1,937	1,986	869	840	871
West South Central.....	2,762	2,808	2,640	1,198	1,238	1,195
Oklahoma.....	1,274	1,127	1,095	578	511	(D)
Texas.....	1,286	1,426	1,319	527	610	568
Mountain.....	2,793	2,673	2,800	1,234	1,180	1,238
Montana.....	644	676	730	292	306	329
Utah.....	(D)	(D)	(D)	(D)	(D)	(D)
Pacific.....	4,087	4,070	3,923	1,870	1,846	1,830
Washington.....	1,241	1,206	1,272	559	534	572
Oregon.....	749	740	756	334	331	344
California and Hawaii.....	2,097	2,124	1,895	977	981	914

Note: Detail may not add to total due to independent rounding.

(D) Withheld to avoid disclosure of figures for individual companies.

TABLE 4.--EXPORTS OF WHEAT FLOUR

(1,000 cwt.)

Country to which exported	November 1976	October 1976	11 months through November 1976
	WHEAT FLOUR, EXCEPT MEAL AND GROATS, DONATED FOR RELIEF OR CHARITY 0460110		
Total.....	125	255	1,668
Guatemala.....	-	-	6
Colombia.....	22	6	117
Ecuador.....	3	-	13
Brazil.....	-	-	24
Israel.....	12	30	134
India.....	-	32	225
Pakistan.....	-	-	-
Sri Lanka (Ceylon).....	-	-	102
Philippine Republic.....	-	82	153
Morocco.....	39	42	525
Other.....	49	63	329
WHEAT FLOUR, WHOLLY U.S. WHEAT, EXCEPT DURUM FLOUR AND SEMOLINA 0460120			
Total.....	445	992	13,568
Nicaragua.....	1	1	18
Jamaica.....	21	25	150
Brazil.....	-	-	70
Iceland.....	12	8	97
Jordan.....	-	-	97
Saudi Arabia.....	241	544	2,635
Sri Lanka (Ceylon).....	-	187	2,198
Egypt.....	-	160	1,992
Philippine Republic.....	-	-	4
Korean Republic.....	-	-	20
Morocco.....	-	-	27
Other.....	170	67	1,260

Note: Data in this table are taken from Foreign Trade publication FT 440, U.S. Exports. The Schedule B codes are as follows: 0460110; wheat flour (except meal and groats); 0460120; wheat flour (wholly of U.S. wheat, except durum flour and semolina).

- Represents zero.

DESCRIPTION OF SURVEY

The statistics in this publication were collected on Census monthly Form M20A, "Flour Milling Products," from a sample of approximately 250 mills accounting for about 98 percent of the total U.S. production of wheat and rye flour. The monthly reporting panel consists of mills with a daily capacity of over 400 sacks of flour. The proportion estimated for smaller mills varies by State and is based on their production as reported in the census of manufactures.

The current month's figures include estimates for mills whose reports were not received in time for tabulation. Such estimates are based on month-to-month trends shown by reporting firms and are generally limited to a maximum of 10 percent for any one item. Statistics for previous months may be revised, due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which were revised significantly are indicated by footnotes.

The data in this report are not adjusted for number of working days.

SEASONAL ADJUSTMENT

This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The seasonal adjustment program largely eliminates the effect of normal seasonal variations (including variations due to vacations, weather, etc.) as measured over the time period for which the data were used. The resulting information thus provides a better measure than the original data of the month-to-month varia-

tions which are due to factors that are not associated with a repetitive seasonal pattern. This program is amply described in the literature on this method.

RELATED REPORTS

An annual Current Industrial Report is published in this series. The annual report includes more historical data and more detail by States than are shown in the monthly reports.

EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 lbs. for wheat, 56 lbs. for rye. Flour production is measured in sacks of 100 lbs.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

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3. 158:

Flour Milling Products



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SUMMARY FOR 1976

Issued May 1977
M20A(76)-13

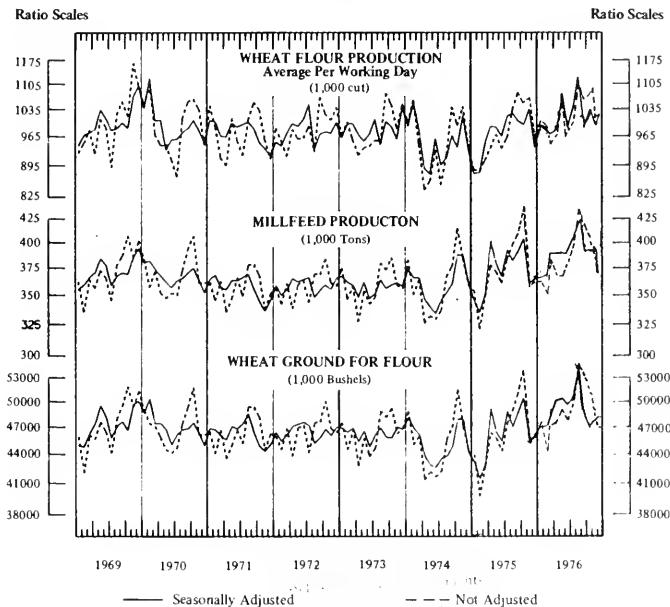
SUMMARY OF FINDINGS

Total commercial production of wheat flour in 1976 amounted to 259.5 million cwt. sacks, about 12.4 million cwt. sacks above the 1975 production. Production figures in 1976 and 1975 were at 101.6 and 97.8 percent, respectively, of total annual capacity.

Wheat mills in 1976 and 1975 ground 584.1 and 555.9 million bushels of wheat; corresponding millfeed production figures for these years were 4,643 and 4,485 thousand tons.

Production of rye flour in 1976 amounted to 1,792 thousand cwt. sacks, compared with 2,184 thousand cwt. sacks in 1975. Rye grindings in 1976 and 1975 were 3,884 and 4,699 thousand bushels, respectively.

Wheat Flour Milling, 1969—1976



Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Thomas Flood, (301) 763-2415.

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DESCRIPTION OF SURVEY

Scope of Survey—This survey includes firms engaged in the production of wheat and rye flour. The reporting panel consists of mills with a daily capacity of over 400 sacks of flour.

Sampling Description—The data shown in this publication were collected on Bureau of the Census monthly Form M-20A, Flour Milling Products. The aggregates published in this report have been compiled from a sample of approximately 250 respondents accounting for 98 percent of the total U.S. production of flour mill products. The universe for this sample was the 1958 Census of Manufactures. Approximately 200 small establishments are in the nonmail universe. Their production data are estimated based upon their 1958 Census of Manufactures report. The monthly reporting panel was selected by arraying the reporting units in descending order by size for each product line, then choosing a sufficient number of respondents (beginning with the largest) to yield a coverage of approximately 98 percent for each product line.

Survey Error—The monthly figures include estimates for respondents in the reporting panel whose reports were not received in time for tabulation, as well as for 200 small respondents excluded from the mail panel. Missing figures for companies in the reporting panel are imputed from the month-to-month movements shown by reporting firms. The overall imputation rate is generally limited to 12 percent, including about 2 percent for small respondents excluded from the monthly reporting panel. Individual items with a higher than 12-percent imputation rate are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, both because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements, and because the estimates for nonpanel cases may reflect their current activity. The probable difference between the actual and imputed figures is unknown. The degree of uncertainty regarding the accuracy of the data, however, increases as the percentage of imputation increases. Figures with imputation rates above 12 percent, particularly, should be used with caution.

Revision to Previous Period Data—Statistics for previous months may be revised due to receipt of corrected data from respondents, including late reports for which estimates were made, and other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Reporting Period Adjustment—Beginning January 1975, the data were adjusted for the number of working days in the reporting period to compensate for differences in individual company reporting patterns, i.e., calendar month, 4-week, 5-week periods.

Seasonal Adjustment—This report presents seasonally adjusted data in table 1A for selected series shown in table 1B. The data were seasonally adjusted using the X-11 variant of the Bureau of the Census method II seasonal adjustment program. This program is a ratio-to-moving average method. It largely eliminates the effect of seasonal variations (intra-year variations repeated constantly from year to year) within the series. The seasonally adjusted data provide a better measure of the

month-to-month variations which are due to factors other than seasonal pattern. Additional information concerning seasonal adjustment is available in the seasonal adjustment supplement issued in this series.

EXPLANATION OF TERMS

Units of Quantity—Grain ground is measured in bushels of 60 pounds for wheat, 56 pounds for rye. Flour production is measured in sacks of 100 pounds.

Capacity—Based on replies to the question "What is the maximum quantity of flour that can be produced in your mill in one day if operated for 24 hours?" The capacity of idle mills is included until the mills are reported to be destroyed, dismantled, or abandoned.

Grain—Represents the purchased weight of grain ground, including the weight of foreign material (dockage).

Millfeed—Includes bran, middlings, shorts, and other milling byproducts intended principally for use as feed materials.

Wheat flour—Includes whole wheat flour, farina, industrial flour, and durum flour.

Stocks of Flour (quarterly)—Represents mill stocks in all positions, sold and unsold.

HISTORICAL NOTE

The current M20A series of monthly reports with annual summaries of wheat ground and wheatmilling products originated in May 1923. Data by States have been published monthly since 1927. Beginning in 1931 and ending with the June 1947 report, monthly wheat flour production by capacity groups was published. The annual summary report during the years 1931 to 1964 also contained a table showing production by capacity groups. Past copies of this report and other Current Industrial Reports can be found in the Federal Depository Library in your area. These libraries keep Current Industrial Reports (called Facts for Industry, before 1959) permanently available.

RELATED REPORTS

A monthly report is also published in this series.

The Bureau of the census also publishes reports on other related products as follows:

Series	Frequency	Title
<i>Current Industrial Reports</i>		
M3-1	Monthly	Manufacturers' Shipments, Inventories, and Orders
M20C	Monthly	Confectionery, Including Chocolate Products
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ACKNOWLEDGMENTS

This report was prepared in the Industry Division under the direction of Robert J. Nealon, Chief, Current Nondurables Branch and Carole A. Klein. Thomas Flood was directly responsible for the review of the data and preparation of the report. Milton Eisen, Chief of the Division and James S. Werking, Assistant Chief for Current Programs, provided overall direction and coordination to this project.

Table 1.--SUMMARY: COMMERCIAL WHEAT MILLING PRODUCTION: 1943 to 1976

Year	Wheat flour production ¹ (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Milled production (1,000 tons)	Average pounds per cwt. sacks of flour		Flour extraction rate ² (percent)
				Wheat	Milled	
1943.....	237,900	551,100	4,718	139.0	39.7	71.9
1944.....	263,400	585,100	4,878	139.3	40.1	71.8
1945.....	274,400	640,720	5,558	140.1	40.8	71.4
1946.....	278,900	624,740	4,895	134.4	35.1	74.4
1947.....	305,499	701,799	5,913	137.8	38.7	72.6
1948.....	279,133	681,476	5,337	137.4	38.2	72.8
1949.....	234,351	543,475	4,651	139.1	39.7	71.9
1950.....	224,899	523,411	4,534	139.8	40.3	71.6
1951.....	229,292	535,235	4,626	140.1	40.4	71.4
1952.....	228,148	532,374	4,605	140.0	40.4	71.4
1953.....	222,177	515,446	4,432	139.2	39.9	71.8
1954.....	221,405	534,028	4,440	139.3	40.1	71.8
1955.....	225,648	522,851	4,482	139.0	39.7	71.9
1956.....	229,758	527,159	4,616	137.7	38.4	72.6
1957.....	238,488	548,522	4,584	137.8	38.6	72.7
1958.....	248,004	566,688	4,713	137.1	38.0	72.9
1959.....	250,548	570,856	4,707	136.7	37.6	73.2
1960.....	255,141	582,719	4,827	137.0	37.8	73.0
1961.....	260,316	591,999	4,858	136.4	37.3	73.3
1962.....	262,069	595,353	4,876	136.3	37.2	73.4
1963.....	260,007	589,245	4,794	136.0	36.9	73.5
1964.....	261,643	591,654	4,890	135.7	37.4	73.7
1965.....	250,386	564,724	4,645	135.3	37.1	73.9
1966.....	253,000	568,672	4,619	134.8	36.5	74.1
1967.....	265,240	569,801	4,423	134.5	36.1	74.3
1968.....	254,185	569,649	4,511	134.5	35.5	74.4
1969.....	254,094	567,956	4,458	134.1	35.1	74.6
1970.....	253,094	583,714	4,409	133.8	34.8	74.8
1971.....	249,810	555,092	4,279	133.3	34.3	75.0
1972.....	250,441	557,801	4,303	133.4	34.4	74.8
1973.....	249,265	555,269	4,303	133.7	34.5	74.8
1974.....	242,157	542,904	4,323	134.5	35.7	74.3
1975.....	247,080	555,891	4,485	134.9	36.3	74.1
1976.....	259,483	584,082	4,643	135.1	35.8	74.0

Note: Figures for all years represent total production and grindings of commercial mills in the United States. For 1941 to 1944, estimates developed with the cooperation of the Bureau of Agricultural Economics. For 1945 to 1946, Census data. For 1947 to 1950, as reported to Census Bureau by all commercial mills. Data for 1951 and subsequent years are based on monthly reports from all commercial mills with a daily capacity of over 400 cwt. sacks.

¹Wheat flour production as compared with the amount of wheat ground. ²Based on 1954 Census of Manufactures. See Census report MC-200, Grain Mill Products.

Table 2.--COMMERCIAL WHEAT MILLING PRODUCTION, SEASONALLY ADJUSTED AND UNADJUSTED, BY MONTH: 1976 and 1975

Month	Seasonally adjusted				Unadjusted				Average pounds per cwt. sack of flour	Flour extraction rate ² (percent)
	Wheat flour production average per working day ¹ (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Wheat flour production (1,000 cwt. sacks)	Wheat ground for flour (1,000 bushels)	Mill feed production (1,000 tons)	Wheat	Milled		
1976, TOTAL.....	(X)	(X)	(X)	(X)	259,483	584,082	4,643	135.1	35.8	74.0
January.....	1,004	46,644	356	1,002	21,034	47,204	374	134.7	35.6	74.3
February.....	996	45,354	353	995	19,851	44,674	352	134.8	35.4	74.2
March.....	963	48,266	387	947	21,771	48,845	365	134.6	35.4	74.3
April.....	983	50,311	387	960	21,113	47,192	370	134.1	35.0	74.5
May.....	1,080	51,287	389	1,044	20,471	46,758	369	134.4	35.4	74.4
June.....	978	49,476	387	957	21,059	47,645	379	133.7	36.0	73.7
July.....	1,035	51,218	407	989	21,751	49,272	396	135.9	36.4	73.6
August.....	1,119	53,879	427	1,103	24,257	54,634	438	135.1	36.1	74.0
September.....	977	48,536	389	1,053	23,178	52,225	417	135.2	36.0	73.4
October.....	1,035	46,773	386	1,082	22,723	51,216	410	135.2	36.1	73.9
November.....	990	48,063	391	1,001	21,031	47,486	380	135.5	36.1	73.8
December.....	885	45,697	370	905	20,804	46,931	373	135.4	35.9	73.9
1975, TOTAL.....	(X)	(X)	(X)	(X)	247,080	555,891	4,485	134.9	36.3	74.1
January.....	884	42,638	333	885	19,466	43,927	354	135.4	36.4	73.9
February.....	884	41,433	329	883	17,653	39,746	321	135.1	36.4	74.0
March.....	923	43,532	362	907	19,054	42,823	369	134.9	36.6	74.1
April.....	957	48,646	392	936	20,598	46,375	378	135.1	36.7	74.0
May.....	1,001	46,983	382	970	20,361	45,718	371	134.7	36.4	74.2
June.....	954	47,374	379	935	19,631	44,375	361	135.6	36.8	73.7
July.....	1,004	48,429	387	962	21,156	47,430	386	134.5	36.3	74.3
August.....	1,068	48,306	390	1,034	21,705	49,017	398	135.5	36.7	73.8
September.....	1,005	48,506	391	1,080	22,681	51,162	409	135.3	36.1	74.0
October.....	1,070	48,112	396	1,049	24,129	54,067	432	136.4	35.8	74.4
November.....	1,049	46,207	375	1,059	20,113	46,049	360	134.9	35.8	74.0
December.....	915	45,198	367	933	20,532	46,000	368	134.4	35.8	74.4

(X) Not applicable.

¹The number of working days per month is computed on the basis of a 5-day week with allowances for the following holidays, unless such holidays fall on Saturdays: January 1, May 30, July 4, Labor Day, Thanksgiving Day, and December 25.

²Wheat flour production is compared with amount of wheat ground.

Table 3.—COMMERCIAL RYE MILLING PRODUCTION, BY MONTHS: 1976 AND 1975

Month	Rye flour production (1,000 cwt. sacks)	Rye ground for flour (1,000 bushels)	Milled production (tons)	Average pounds ground per cwt. sack of flour		Flour extraction rate ¹ (percent)
				Rye	Milled	
1976, TOTAL.....	1,792	3,884	21,292	121.4	23.8	82.4
January.....	181	390	2,040	120.7	22.5	82.9
February.....	142	308	1,645	121.5	23.2	82.3
March.....	161	353	1,939	121.3	23.0	82.5
April.....	150	333	1,820	124.3	24.3	80.4
May.....	113	251	1,267	124.4	22.4	80.4
June.....	150	320	1,933	119.5	25.7	83.7
July.....	137	305	1,680	124.7	24.5	80.2
August.....	144	322	1,855	125.2	25.8	79.9
September.....	135	298	1,722	123.6	25.5	80.9
October.....	130	285	1,661	122.6	25.6	81.5
November.....	143	325	1,772	127.3	24.8	78.6
December.....	171	364	1,958	119.2	22.9	83.9
1975, TOTAL.....	2,164	4,699	24,989	120.5	22.9	82.9
January.....	201	437	2,473	121.8	24.6	82.1
February.....	206	446	2,499	121.8	24.3	82.1
March.....	200	435	2,496	119.3	24.9	82.1
April.....	200	426	2,262	119.3	22.6	83.6
May.....	193	418	2,211	120.3	22.9	79.0
June.....	166	375	1,866	126.5	22.7	79.0
July.....	164	351	1,776	119.9	21.7	83.4
August.....	165	369	1,739	116.4	21.1	84.4
September.....	176	372	1,929	118.4	21.9	84.5
October.....	190	408	2,089	120.3	21.9	83.2
November.....	146	314	1,742	120.4	23.9	83.0
December.....	177	368	1,887	116.4	21.3	85.9

¹Revised from previously published figures.²Rye flour production as compared with amount of rye ground.

Table 4.—COMMERCIAL WHEAT MILLING PRODUCTION, BY GEOGRAPHIC AREAS: 1976 AND 1975

Geographic areas	1976				1975			
	Wheat ground for flour (1,000 bushels)	Wheat flour production			Wheat ground for flour (1,000 bushels)	Wheat flour production		
		Total (1,000 cwt. sacks)	Daily (24 hour) capacity ¹ (cwt. sacks)	Percent of estimated annual capacity ²		Total (1,000 cwt. sacks)	Daily (24 hour) capacity ¹ (cwt. sacks)	Percent of estimated annual capacity ²
UNITED STATES, TOTAL.....	584,082	259,486	990,109	101.6	555,891	247,080	991,006	97.8
Mid-Atlantic division.....	73,201	32,522	127,143	99.3	69,657	30,829	115,305	104.8
New York.....	60,815	27,208	106,314	99.2	58,111	25,903	95,642	106.2
North Central region.....	330,419	146,362	557,037	101.8	317,944	141,171	566,624	97.7
Ohio.....	36,206	15,707	69,995	87.0	35,439	15,399	69,922	86.4
Indiana.....	15,502	6,554	21,283	119.4	15,293	6,552	21,301	120.6
Illinois.....	35,081	15,362	66,311	92.6	31,928	14,959	62,184	88.7
Michigan.....	9,374	4,053	19,511	80.5	8,397	3,739	19,485	75.3
Minnesota.....	70,980	32,511	117,131	101.8	69,820	31,336	115,357	106.5
Iowa.....	(D)	(D)	(D)	(D)	10,672	(D)	12,396	(D)
Missouri.....	52,811	23,589	86,050	107.8	50,256	22,691	85,746	103.8
Nebraska.....	18,669	7,965	34,156	90.4	17,066	7,198	34,156	82.6
Kansas.....	70,366	31,570	106,966	114.4	67,150	30,497	119,439	100.1
South Atlantic division.....	30,936	13,754	44,303	120.3	26,064	12,074	45,297	104.5
East South Central division.....	30,908	13,601	56,057	97.5	28,868	12,681	50,521	99.9
Tennessee.....	24,098	10,445	35,481	114.1	25,192	10,044	34,703	113.3
West South Central division.....	35,970	15,931	57,799	106.8	33,264	14,801	62,671	92.6
Oklahoma.....	16,545	(D)	27,509	(D)	14,379	(D)	27,677	(D)
Texas.....	16,599	7,113	25,290	109.0	16,478	7,109	30,694	90.8
Mountain division.....	33,611	14,912	65,360	88.4	29,313	12,976	66,344	76.7
Montana.....	7,773	3,528	13,736	99.6	7,300	(D)	14,386	(D)
Utah.....	(D)	(D)	(D)	(D)	13,492	(D)	26,171	(D)
Pacific division.....	48,987	22,334	86,440	102.7	48,761	22,348	86,246	104.0
Washington.....	15,183	6,833	27,461	96.4	12,995	5,909	26,915	86.1
Oregon.....	9,195	4,122	20,025	79.8	11,640	5,336	20,225	103.5
California and Hawaii.....	24,609	11,419	36,904	120.0	24,148	11,103	37,106	117.3

(D) Withheld to avoid disclosing figures for individual companies.

¹Capacity as reported for December of each year. ²Estimated annual capacity is obtained by multiplying daily capacity by the number of work days during the year, 258 for 1976, and 255 for 1975. This figure is calculated on the basis of a 3-day week with allowances for the following holidays unless such holidays fall on Saturday: January 1, Memorial Day, July 4, Labor Day, Thanksgiving Day, and December 25.

Table 5.--PRODUCTION AND MILL STOCKS OF WHEAT FLOUR, BY QUARTERS 1976 AND 1975

Quarter	Production (1,000 cwt. sacks)	Mill stocks (1,000 cwt. sacks)
1976:		
First.....	62,696	4,510
Second.....	63,043	3,923
Third.....	60,186	3,421
Fourth.....	66,558	4,336
1975:		
First.....	56,173	4,755
Second.....	60,591	4,436
Third.....	65,342	4,140
Fourth.....	66,774	3,907

Table 6.--DURUM WHEAT PRODUCTS: 1976 AND 1975

Item	1976		1975	
	Jan. 1- June 30	July 1- Dec. 31	Jan. 1- June 30	July 1- Dec. 31
Durum wheat ground (thousand bushels).....	17,186	17,540	15,922	17,071
Straight semolina and durum flour produced (thousand sacks (cwt.)).....	7,434	7,915	6,510	7,315
Blended semolina and durum flour produced (thousand sacks (cwt.)).....	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing figures for individual companies.

Table 7.--WHEAT FLOUR AND SEMOLINA AND DURUM FLOUR--PRODUCTION, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION 1976 AND 1975

(Manufacturers' shipments represent quantity and value (f.o.b. plant) of physical shipments, including interplant transfers, from establishments during each year. Export values are values at seaport, border point, or airport of exportation; they are based on selling price, including freight, insurance, and other charges to the port of exportation. Import values are generally the market values in the foreign country and exclude U.S. import duties, transportation, and insurance cost. Total import values and unit prices of imported commodities would thus tend to be understated relative to domestic output. Because manufacturers' shipments of certain products may be used as materials for incorporation into other products, it may not be valid to compare exports and imports with shipments for combinations of product groups. See "Limitations on the Comparison of Export, Import, and Output Data.")

Item	Manufacturers' production (1,000 cwt.)	Exports of domestic merchandise ¹		Percent, exports to manufacturers' production	Imports for consumption (1,000 cwt.)	Calculated import duty (\$1,000)	Apparent consumption ² (1,000 cwt.)	Percent, imports to apparent consumption
		Quantity (1,000 cwt.)	Value (\$1,000)					
1976								
Wheat flour.....	259,486	² 15,863	² 157,266	6.0	(*)	(NA)	243,823	(NA)
Semolina and durum flour.....	15,349	² 30	² 264	0.2	(*)	(NA)	15,319	(NA)
1975								
Wheat flour.....	247,080	² 11,917	² 125,606	4.8	(*)	(NA)	235,163	(NA)
Semolina and durum flour.....	13,825	² 19	² 233	0.1	(*)	(NA)	13,806	(NA)

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

¹Source: Bureau of the Census Report PT 610, U.S. Exports of Domestic Merchandise, SIC-Based Products and Area.²1976 Schedule B codes 066010, 0660120.³1976 and 1975 Schedule B code 0660130.⁴Apparent consumption is derived by subtracting exports from the total manufacturers' production. Imports are not used in this instance because import data for flour are not separately available. Imports (TSUSA codes 1314000 and 1318500) of flour are considered to be insignificant. Also see footnote 5 below.⁵TSUSA codes 1314000 and 1318500 could have an undetermined amount of flour which means that Apparent Consumption may be slightly understated.

(1314000 is "Wheat, Milled, Fit for Human Consumption." 1318500 is "Milled Grains, Mixed, Fit for Human Consumption.")

LIMITATIONS ON THE COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

Generally, it is somewhat easier to find a reasonable statistical basis for a comparison of exports with domestic output than for a comparison of imports with domestic output. Aside from the differences in the basic commodity classifications used, there are a substantial number of imported commodities which are not produced in the United States or are produced in very small quantities. On the other hand, the merchandise exported from the United States is ordinarily produced in this country and reflects items important in output.

There are other problems affecting the comparability of the three sets of data. Differences in methods of valuation is perhaps the principal such problem. There may be elements of duplication in output data but not in imports or exports; low-value transactions are excluded from data for individual export and import commodity classifications; and a small portion of manufacturing output is not allocated to detailed commodity lines. All of these factors affect comparability to some degree. For these reasons the relationships shown in this report should be considered as only approximations.

(a) *Valuation*—Domestic producers' shipments, or production, are usually valued at the point of production—the factory, mine, or farm.

On the other hand, exports are by definition values at the point of exportation—seaport, border point, or airport. Export values are the selling price, or cost if not sold, and include expenditures for freight, insurance, and other charges to the export point.

Further, the exporters' trade margin above costs increases the export values compared with producers' values. Information on the magnitude of this incremental margin on a commodity-by-commodity basis is not available.

The dollar value shown for imports in the basic statistics is defined ordinarily as the market value in the foreign country and excludes U.S. import duties, transportation, insurance, and other costs. In actual practice only the values reported for imports subject to an ad valorem rate of duty (accounting for 10 to 15 percent of total imports) tend to conform to this definition. For other imports, the reported values may inadvertently include ocean freight; intracompany shipments may reflect arbitrary values; etc.

Thus, import values tend to understate the unit prices at which imported goods are sold in the U.S. market, in that they do not cover transportation, insurance costs, import duties, and other costs. By the same token, the total value of imports relative to domestic output tends to be understated if viewed at the point of entry into the U.S. market. The calculated value of import duties is shown separately for each commodity line in the table, but sufficient information is not available on the

transportation, insurance, and other costs for individual commodities for those costs to be shown in this report.

(b) *Duplication in Quantity and Value of Output*—Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at 4-digit or broader levels may be understated.

Where the duplication is known to be substantial, the output data are appropriately noted in the table.

(c) *Low-Value Export and Import Transactions*—Commodity information is not shown for individual imports valued under \$251. For exports, commodity information is not reported for shipments individually valued under \$251 effective October 1969 and for shipments valued under \$100 prior to October 1969. This is believed to have only negligible effect on the statistics for the bulk of the commodities.

(d) *Manufacturers' Shipments, Not Specified by Kind*—The value of manufacturers' shipments at the 4-digit commodity level often includes a small amount which is not distributed among the individual 5-digit product classes. Export and import percentages at the more detailed levels might thus be slightly overstated.

(e) *Time Lag Between Output and Exports*—There will sometimes be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported. The time lag will usually be greater if the merchandise moves through intermediaries (wholesalers, exporters) rather than directly from producers into the export market. Ordinarily, this type of discrepancy would not be very important in annual figures.

(f) *"Direct" vs "Total" Commodity Exports*—The commodity export data in this report represent direct exports of those commodities. They do not include the exports of the commodities which are incorporated into other, more finished products and exported in finished form. Thus, by showing only direct exports, the relation of exports to output for intermediate products, such as steel shapes and forms, is considerably understated. The figure for steel exported as such, does not include steel incorporated in automobiles, tractors, etc., which are also exported.

(g) *Used Commodities*—With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

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